

188889

A. A. GRIFFING IRON CO.



BUNDY
ELITE
PATENTED JULY 2 1877

Jersey City: N. J.
and
Chicago: ILL.

A. A. GRIFFING

AT 3256 A1 1888 -CLASSICS

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ESTIMATE BLANK.

Fill out this blank and send it to your Steam Fitter, giving us, at the same time, his name and address ; or, if you prefer to do so, send the blank to us. We do no steam fitting ourselves, but will take pleasure in referring it to some thoroughly competent party who will give your wants careful attention.

188

M

At the suggestion of the **A. A. GRIFFING IRON CO., Jersey City, N. J.**, I write asking you to forward to me an estimate for heating my with Steam—Hot Water, using the **BUNDY RADIATOR**, based upon the following dimensions and description :

| MEASUREMENTS. | Length. | | Width. | | Height. | |
|---------------------------|---------|-----|--------|-----|---------|-----|
| | Ft. | In. | Ft. | In. | Ft. | In. |
| FIRST FLOOR. | | | | | | |
| Parlor..... | | | | | | |
| Parlor..... | | | | | | |
| Sitting Room..... | | | | | | |
| Drawing Room..... | | | | | | |
| Library..... | | | | | | |
| Dining Room..... | | | | | | |
| Bed Room..... | | | | | | |
| Bath Room..... | | | | | | |
| Main Hall..... | | | | | | |
| | | | | | | |
| | | | | | | |
| SECOND FLOOR. | | | | | | |
| Parlor Chamber..... | | | | | | |
| Parlor Chamber..... | | | | | | |
| Sitting Room Chamber..... | | | | | | |
| Drawing Room Chamber..... | | | | | | |
| Library Chamber..... | | | | | | |
| Dining Room Chamber..... | | | | | | |
| Bed Room Chamber..... | | | | | | |
| Bath Room..... | | | | | | |
| Second Main Hall..... | | | | | | |
| | | | | | | |
| | | | | | | |
| THIRD FLOOR. | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Brick, Stone or Wood Structure.....

Solid or hollow walls.....

If frame, whether sheathed or papered.....

Building exposed or protected.....

In a block or isolated.....

Depth of cellar.....

Size of smoke flue in chimney.....

State lowest outside temperature }
you have in ordinary winters. }

When will apparatus be wanted.....

REMARKS.—Where there are bay windows or tower constructions, the length or width of the room should extend to sash in the same, as they are bad exposures to the rooms. It is only practical to set indirect where there is a good fire-place or other ventilation. Give points of compass. On receipt of information as above, we will make estimate and reply at an early date.

Name.....

Address.....

REMARKS :

A GRIFING IRON CO. BUNDY RADIATORS. CITY CHY. N.J.

TRADE BUNDY MARK.

CELLAR OR BASEMENT PLAN. Height.....

FIRST FLOOR PLAN. Height.....

GIVE POINTS OF COMPASS.

Scale : feet between lines.

Scale : feet between lines.

SECOND FLOOR PLAN. Height.....

THIRD FLOOR PLAN. Height... ..

ANNOUNCEMENT



IN

presenting our Price List for 1888, we believe you will find illustrated therein the largest and most complete line, and greatest variety of high class Steam and Hot Water Radiators for direct and indirect heating that has ever been shown, either in the United States or elsewhere, by any single producer in our line of manufacture.

Owing to many improvements made in the Bundy Radiators since issuing our last catalogue, we have found it absolutely necessary to publish a new and more complete one, in which we have endeavored to so list our goods as to enable our patrons easily to determine prices, style and dimensions of Radiators required.

Among the improvements made by us, we are desirous of calling special attention to our Hot Water and Hot Closet Dining Room Radiators. These are the results of inventions for which letters patent have been granted to us; and we take occasion to say that the patents referred to in this catalogue are owned and used exclusively by this Company.

During the past year we have erected additional buildings and purchased new machinery especially designed for our purpose, thus adding to our already large facilities, until ours is the largest establishment in the world exclusively engaged in the manufacture of Radiators.

Our aim in the future will be, as in the past, to use the highest quality of material and the latest improved machinery, and to employ the most skilled labor, so that we may be able to continue the manufacture of the very best goods, both in workmanship and finish that could possibly be produced, and we shall withhold no expenditure of money in our endeavors to perfect and introduce any new and useful feature bearing upon our special business.

The demand for our Radiators has increased each year, which shows very clearly that the trade does and will continue to appreciate first-class goods at reasonable prices.

To enable us to fill our orders promptly, we carry at all times an enormous stock, comprising every style as shown in our list.

Our experience in the past, extending over a period of ten years, justifies us in the belief that we will be found equal to all demands that may be made upon us.

Jersey City or New York being at the terminus of all the leading trunk lines in the United States, and the principal shipping points to all parts of the world, we have advantages in this respect not to be compared to any other cities in securing from competing lines the lowest possible rate of freight, which is certainly of great advantage to our customers.

We invite those who contemplate purchasing a heating apparatus to visit us at our works, where every facility will be extended for an inspection of our goods in the various processes of construction; and to those in search of a Steam or Hot Water Radiator, an exhibition of the working qualities of our apparatus will be given in our experimental rooms.

Our Radiators have taken more first premiums than any others, and what is of more practical value, the Bundy Radiator has received the award of SUPERIOR EXCELLENCE from the vast numbers who have used it many years.

We extend thanks to our many customers and friends for their liberal use of our goods; and we shall endeavor, by keeping up the high standard of our production, to retain their trade and friendship.

A. A. GRIFFING IRON CO.

☼ THE * BUNDY * RADIATOR. ☼

The points of Superiority of the "BUNDY" Radiator may be briefly stated as follows:

SIMPLICITY OF CONSTRUCTION: Being made entirely of cast iron, giving it great advantage in heating power, and each loop being screwed into the base, without copper rings or packing of any kind, any of the loops may be removed without disconnecting the base, and without defacing the finish or decoration on Radiator with ordinary pipe tongs, an advantage that is appreciated by those who have used the Radiator.

EASINESS OF CIRCULATION: The connections of loops being single, and larger than those of any other Radiator, give free passage to steam, and cannot be affected by unequal expansion; and the two and three Row Bases are made with large openings, extending from end to end, and a positive circulation of steam is secured with free passage for the air up through the Radiator.

NOVELTY IN ORNAMENTATION: The tubes of the "BUNDY" Radiator, when so ordered can be made with beautiful artistic designs on their face which add very much to their finish when bronzed.

ECONOMY: The peculiar construction of the "BUNDY" Radiator admits of a much greater variety of widths and sizes than any other Radiator—our sizes ranging from 9 to 488 feet of heating surface; therefore, with our three different styles of loops, and with heights from 9 to 48 inches, so many changes can be made by simple substitution, that even after the bases are made for a building, important changes can often be made, saving much expense and delay, an advantage that is fully appreciated by all Steam-fitters who have used our Radiators. A Radiator having been placed in position and connected up can be changed in height by inches, from 9 to 48 inches, and either of the three different kinds of "BUNDY" loops can be used, making over *ONE HUNDRED CHANGES* in the Radiator possible without removing it from the floor.

For an Example of Economy: BUNDY Radiators had been in use in one of the largest and finest buildings in New York City for seven years; then the plan of the interior of the building was entirely changed, necessitating a complete change in the sizes and style of the Radiators in use. The loops of the old Radiators were easily removed and put into new bases of required sizes, making Radiators as good as new, with a saving of many hundreds of dollars—such changes are frequently made in the "BUNDY" Radiator, which are impossible with other Radiators.

BUNDY DIRECT RADIATORS: By the peculiar form of the "BUNDY" Radiator loop, more heating surface can be put into a single row Radiator (which is acknowledged by all reliable authorities on steam heat to be the best form of heating surface) than by any other method known; and by this form all the radiant heat can be utilized. Therefore, Radiators with the fewest rows of tubes or loops are the best for direct radiation.

The "BUNDY" Radiator is made with the fewest rows of tubes of any on the market with the same amount of heating surface.

OUR DIRECT INDIRECT Radiators, for heating and supplying fresh air at the same time, are made with detached box-bases (a great convenience to the steam-fitter in connecting up the Radiator to the ventilating flues); and with large longitudinal opening in the base for the passage of fresh air from the flue.

These Radiators were the first of the kind that were ever used, and all other box-base Radiators are an infringement on the same.

OUR INDIRECT Radiators are made in three styles: the *Horizontal*, the *Angle* and the *Angle Pin Indirect*. These Radiators have been in use for years, and are pronounced the best in use in some of the largest public institutions in this country, where they have been used in competition with several different kinds of well-known Indirect Radiators. They are durable and efficient, and being adapted to high or low pressure, and without packing, they are as durable and permanent as the building itself.

To any one wanting an Indirect Radiator that will not be required to be repaired every few years, we can recommend these Radiators.

DURABILITY: Cast iron being the first removed from the iron ore, it is unquestionably more durable than Radiators made of wrought iron.

ITS RECORD: Finally, if any further evidence is needed as to the superiority of the "BUNDY" Radiator, it would be found in the fact that nearly one-half of the Direct Radiators sold in the United States in the past few years, and seven-eighths of those used in New York City, were made by A. A. GRIFFING IRON CO. We mention this fact, not boastfully, but as the best possible evidence of the superiority of the "BUNDY" Radiator; and the great success it has met with is an emphatic endorsement of the correctness of the principle on which it is built, and we desire to call the attention of our enquirers to the names of about 5,000 references, being a partial list of those who have used the "BUNDY" Radiator.

We take the liberty of quoting from the *Iron Review*, issue of March, 1886.

"Sometime ago, a prominent iron manufacturer, whose headquarters are in this city, received a letter from the Franklin Scientific Institute of Philadelphia, requesting such information as might be derived from his experience, touching the relative capacities of cast and wrought iron for the transmission of heat. Being the maker of a steam-heating apparatus, among other things, he was naturally interested in the subject, and set about making the investigation which this inquiry suggested in good earnest. He commenced a series of equal capacity and thickness, made of the two different materials, and exposed for a certain length of time to the same degree of heat. The results ascertained by thermometrical measurement were carefully noted and sent to the Franklin Institute. In every instance they showed a large difference (more than 10 per cent.) in favor of cast iron over wrought as a conductor of heat. The conclusion being, of course, that all apparatus designed for heating and cooking purposes should be constructed of the former material, with a view to securing the quickest and best results with the most economical consumption of fuel.

"The correspondence relating to these experiments we believe has never been published, and the facts devolved by it are mostly the property of abstract scientists rather than of practical manufacturers and the great consuming public who are most affected by them. The theory advanced by the gentleman who made these experiments is that wrought iron or malleable iron, which is a relatively pure metal, has a laminated structure, and that its flattening particles, lying side by side, after being rolled or hammered, present a strong resistance to the action of heat, and hence, that articles made of it are relatively poor conductors and slow to absorb and radiate caloric, if we may use an obsolete but very expressive and convenient scientific term.

"On the other hand, he argues that cast iron, which is not a pure metal, but like plumbago and steel, a compound of iron and carbon (carburet of iron) has no such fibrous structure; but, being a brittle, granular, porous and penetrable substance, readily absorbs heat and as readily gives it out again to surrounding objects by radiation or conduction. The rougher the surface of the iron the greater is its radiating power, and hence highly polished parlor stoves and steam heaters are less effective than those which present a natural surface, or are kept tidy with a coating of black lead.

"The only advantage in making heaters or cooking utensils of wrought iron consists in the fact that thinner and lighter plates may be used without impairing the strength and durability of the articles. The Russia sheet-iron stove, lined with fire brick, is a tolerable good heater for the parlor and sitting-room, because it is thin and has a large radiating surface; but a small cast-iron cylinder of less than a quarter of the size, though an unsightly object, will do more real service. Besides, the wrought iron of the former becomes rapidly oxidized and rusted out. A thin piece of wrought iron pipe will be entirely eaten up with rust if left in a damp atmosphere for any length of time, while a piece of cast iron, at the worst, will only collect a very thin and easily removed surface of oxidized particles. It is a well-known fact that cast steel, which is similar in composition, is very slow to rust, and that plumbago, which comes nearest to cast iron, will not rust at all. The carbon or charcoal, which is one of their constituents, although it will combine with oxygen and burn readily when subjected to a strong heat, yet at the ordinary temperature is one of the most indestructible of all substances, and hence is used for pencils or electrodes in producing the electric light."

A. A. GRIFFING IRON CO. BUNDY RADIATORS. JERSEY CITY, N. J.

TRADE BUNDY MARK.

One Row Bundy Direct Radiator.

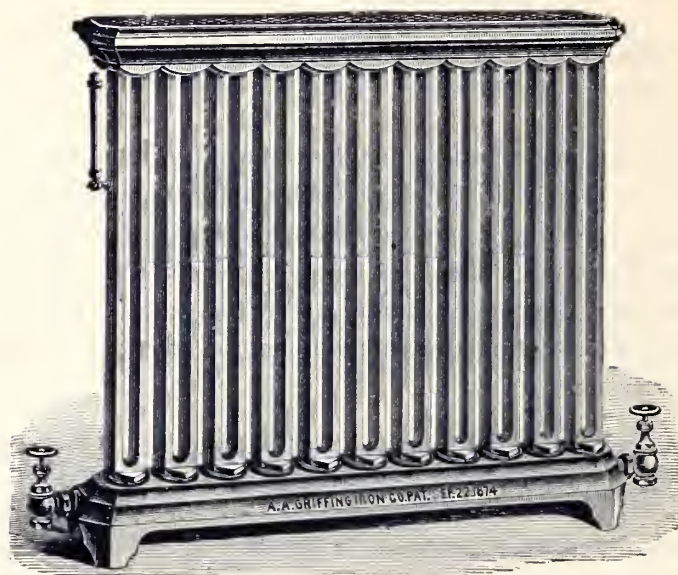


FIG. 1.

FIG. 1 represents the One Row Bundy Direct Radiator, which is the best form of heating surface in use.

FORTY-TWO INCHES HIGH, ONE ROW OF LOOPS.

| FOR STANDARD, ENLARGED, OR EXTENDED SURFACE LOOPS. | | | | | | | | |
|-----------------------------------------------------------------------------------|------------------|----------------------|--------------------------------------------------|-----------------------------------------|--------------------------------------------------|-----------------------------------------|--------------------------------------------------|-----------------------------------------|
| LIST OF RADIATORS BUILT ON THE FOLLOWING SIZE BASES. Width of Base, 5½ inches. | | | STANDARD. | | ENLARGED. | | EXTENDED SURFACE. | |
| | | | Each Loop Represents 3½ Feet of Heating Surface. | | Each Loop Represents 4½ Feet of Heating Surface. | | Each Loop Represents 4½ Feet of Heating Surface. | |
| | | | LIST PRICE. | | LIST PRICE. | | LIST PRICE. | |
| Shape of Radiator. | Number of Loops. | Length of Radiators. | Per Foot, 70c. | Per Loop, \$2.45 | Per Foot, 67½c. | Per Loop, \$2.87. | Per Foot, 65c. | Per Loop, \$2.76. |
| | | | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. |
| 1 X 3 | 3 | 12" | 10½ | \$7 35 | 12¾ | \$8 61 | 12¾ | \$8 29 |
| 1 X 4 | 4 | 15¼" | 14 | 9 80 | 17 | 11 48 | 17 | 11 05 |
| 1 X 5 | 5 | 18½" | 17½ | 12 25 | 21¼ | 14 35 | 21¼ | 13 82 |
| 1 X 6 | 6 | 21¾" | 21 | 14 70 | 25½ | 17 21 | 25½ | 16 58 |
| 1 X 7 | 7 | 25¼" | 24½ | 17 15 | 29¾ | 20 08 | 29¾ | 19 34 |
| 1 X 8 | 8 | 28½" | 28 | 19 60 | 34 | 22 95 | 34 | 22 10 |
| 1 X 9 | 9 | 31½" | 31½ | 22 05 | 38¼ | 25 82 | 38¼ | 24 87 |
| 1 X 10 | 10 | 34½" | 35 | 24 50 | 42½ | 28 69 | 42½ | 27 63 |
| 1 X 11 | 11 | 38" | 38½ | 26 95 | 46¾ | 31 56 | 46¾ | 30 39 |
| 1 X 12 | 12 | 41¼" | 42 | 29 40 | 51 | 34 43 | 51 | 33 15 |
| 1 X 13 | 13 | 44¾" | 45½ | 31 85 | 55¼ | 37 30 | 55¼ | 35 92 |
| 1 X 14 | 14 | 47¾" | 49 | 34 30 | 59½ | 40 16 | 59½ | 38 68 |
| 1 X 15 | 15 | 51" | 52½ | 36 75 | 63¾ | 43 03 | 63¾ | 41 44 |
| 1 X 16 | 16 | 54" | 56 | 39 20 | 68 | 45 90 | 68 | 44 20 |
| 1 X 18 | 18 | 60½" | 63 | 44 10 | 76½ | 51 64 | 76½ | 49 73 |
| 1 X 20 | 20 | 66¾" | 70 | 49 00 | 85 | 57 38 | 85 | 55 25 |
| 1 X 22 | 22 | 73¼" | 77 | 53 90 | 93½ | 63 12 | 93½ | 60 78 |
| 1 X 24 | 24 | 79¾" | 84 | 58 80 | 102 | 68 85 | 102 | 66 30 |
| 1 X 26 | 26 | 86½" | 91 | 63 70 | 110½ | 74 59 | 110½ | 71 83 |

NOTE.—The above prices are for all Radiators 42" high, or under to 36" high.

All Regular Goods Tapped 1" X ¾" "Right Hand."

A. A. GRIFFIN IRON CO. BUNDY RADIATORS. JERSEY CITY, N. J.

TRADE BUNDY MARK.

THIRTY-SIX INCHES HIGH, ONE ROW OF LOOPS.

| LIST OF RADIATORS BUILT ON THE FOLLOWING SIZE BASES. | | | STANDARD. | | ENLARGED. | | EXTENDED SURFACE. | |
|------------------------------------------------------|------------------|----------------------|-------------------------------------------------|-----------------------------------------|--------------------------------------------------|-----------------------------------------|--------------------------------------------------|-----------------------------------------|
| Width of Base, 5½ inches. | | | Each Loop Represents 3 Feet of Heating Surface. | | Each Loop Represents 3½ Feet of Heating Surface. | | Each Loop Represents 3½ Feet of Heating Surface. | |
| | | | LIST PRICE, Per Foot, 75c. Per Loop, \$2.25. | | LIST PRICE, Per Foot, 72½c. Per Loop, \$2.54. | | LIST PRICE, Per Foot, 70c. Per Loop, \$2.45. | |
| Shape of Radiator. | Number of Loops. | Length of Radiators. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. |
| 1 X 3 | 3 | 12" | 9 | \$6 75 | 10½ | \$7 62 | 10½ | \$7 35 |
| 1 X 4 | 4 | 15¼" | 12 | 9 00 | 14 | 10 15 | 14 | 9 80 |
| 1 X 5 | 5 | 18½" | 15 | 11 25 | 17½ | 12 69 | 17½ | 12 25 |
| 1 X 6 | 6 | 21¾" | 18 | 13 50 | 21 | 15 23 | 21 | 14 70 |
| 1 X 7 | 7 | 25½" | 21 | 15 75 | 24½ | 17 77 | 24½ | 17 15 |
| 1 X 8 | 8 | 28½" | 24 | 18 00 | 28 | 20 30 | 28 | 19 60 |
| 1 X 9 | 9 | 31½" | 27 | 20 25 | 31½ | 22 84 | 31½ | 22 05 |
| 1 X 10 | 10 | 34½" | 30 | 22 50 | 35 | 25 38 | 35 | 24 50 |
| 1 X 11 | 11 | 38" | 33 | 24 75 | 38½ | 27 92 | 38½ | 26 95 |
| 1 X 12 | 12 | 41¼" | 36 | 27 00 | 42 | 30 45 | 42 | 29 40 |
| 1 X 13 | 13 | 44¾" | 39 | 29 25 | 45½ | 32 99 | 45½ | 31 85 |
| 1 X 14 | 14 | 47¾" | 42 | 31 50 | 49 | 35 53 | 49 | 34 30 |
| 1 X 15 | 15 | 51" | 45 | 33 75 | 52½ | 38 07 | 52½ | 36 75 |
| 1 X 16 | 16 | 54" | 48 | 36 00 | 56 | 40 60 | 56 | 39 20 |
| 1 X 18 | 18 | 60½" | 54 | 40 50 | 63 | 45 68 | 63 | 44 10 |
| 1 X 20 | 20 | 66¾" | 60 | 45 00 | 70 | 50 75 | 70 | 49 00 |
| 1 X 22 | 22 | 73¼" | 66 | 49 50 | 77 | 55 83 | 77 | 53 90 |
| 1 X 24 | 24 | 79¾" | 72 | 54 00 | 84 | 60 90 | 84 | 58 80 |
| 1 X 26 | 26 | 86½" | 78 | 58 50 | 91 | 65 98 | 91 | 63 70 |

NOTE.—The above prices are for all Radiators 36" high, or under to 30" high.

THIRTY INCHES HIGH, ONE ROW OF LOOPS.

| LIST OF RADIATORS BUILT ON THE FOLLOWING SIZE BASES. | | | Each Loop Represents 2½ Feet of Heating Surface. | | Each Loop Represents 3 Feet of Heating Surface. | | Each Loop Represents 3 Feet of Heating Surface. | |
|------------------------------------------------------|------------------|----------------------|--------------------------------------------------|-----------------------------------------|-------------------------------------------------|-----------------------------------------|-------------------------------------------------|-----------------------------------------|
| Width of Base, 5½ inches. | | | LIST PRICE, Per Foot, 85c. Per Loop, \$2.13. | | LIST PRICE, Per Foot, 82½c. Per Loop, \$2.48. | | LIST PRICE, Per Foot, 80c. Per Loop, \$2.40. | |
| Shape of Radiator. | Number of Loops. | Length of Radiators. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. |
| 1 X 3 | 3 | 12" | 7½ | \$6 38 | 9 | \$7 43 | 9 | \$7 20 |
| 1 X 4 | 4 | 15¼" | 10 | 8 50 | 12 | 9 90 | 12 | 9 60 |
| 1 X 5 | 5 | 18½" | 12½ | 10 63 | 15 | 12 38 | 15 | 12 00 |
| 1 X 6 | 6 | 21¾" | 15 | 12 75 | 18 | 14 85 | 18 | 14 40 |
| 1 X 7 | 7 | 25½" | 17½ | 14 88 | 21 | 17 33 | 21 | 16 80 |
| 1 X 8 | 8 | 28½" | 20 | 17 00 | 24 | 19 80 | 24 | 19 20 |
| 1 X 9 | 9 | 31½" | 22½ | 19 13 | 27 | 22 28 | 27 | 21 60 |
| 1 X 10 | 10 | 34½" | 25 | 21 25 | 30 | 24 75 | 30 | 24 00 |
| 1 X 11 | 11 | 38" | 27½ | 23 38 | 33 | 27 23 | 33 | 26 40 |
| 1 X 12 | 12 | 41¼" | 30 | 25 50 | 36 | 29 70 | 36 | 28 80 |
| 1 X 13 | 13 | 44¾" | 32½ | 27 63 | 39 | 32 18 | 39 | 31 20 |
| 1 X 14 | 14 | 47¾" | 35 | 29 75 | 42 | 34 65 | 42 | 33 60 |
| 1 X 15 | 15 | 51" | 37½ | 31 88 | 45 | 37 13 | 45 | 36 00 |
| 1 X 16 | 16 | 54" | 40 | 34 00 | 48 | 39 60 | 48 | 38 40 |
| 1 X 18 | 18 | 60½" | 45 | 38 25 | 54 | 44 55 | 54 | 43 20 |
| 1 X 20 | 20 | 66¾" | 50 | 42 50 | 60 | 49 50 | 60 | 48 00 |
| 1 X 22 | 22 | 73¼" | 55 | 46 75 | 66 | 54 45 | 66 | 52 80 |
| 1 X 24 | 24 | 79¾" | 60 | 51 00 | 72 | 59 40 | 72 | 57 60 |
| 1 X 26 | 26 | 86½" | 65 | 55 25 | 78 | 64 35 | 78 | 62 40 |

NOTE.—The above prices are for all Radiators 30" high, or under to 24" high.

TWENTY-FOUR INCHES HIGH, ONE ROW OF LOOPS.

| LIST OF RADIATORS BUILT ON THE FOLLOWING SIZE BASES. | | | Each Loop Represents 2 Feet of Heating Surface. | | Each Loop Represents 2½ Feet of Heating Surface. | | Each Loop Represents 2½ Feet of Heating Surface. | |
|------------------------------------------------------|------------------|----------------------|-------------------------------------------------|-----------------------------------------|--------------------------------------------------|-----------------------------------------|--------------------------------------------------|-----------------------------------------|
| Width of Base, 5½ inches. | | | LIST PRICE, Per Foot, \$1.00. Per Loop, \$2.00. | | LIST PRICE, Per Foot, 97½c. Per Loop, \$2.28. | | LIST PRICE, Per Foot, 95c. Per Loop, \$2.22. | |
| Shape of Radiator. | Number of Loops. | Length of Radiators. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. |
| 1 X 3 | 3 | 12" | 6 | \$6 00 | 7 | \$6 83 | 7 | \$6 65 |
| 1 X 4 | 4 | 15¼" | 8 | 8 00 | 9½ | 9 10 | 9½ | 8 87 |
| 1 X 5 | 5 | 18½" | 10 | 10 00 | 11½ | 11 38 | 11½ | 11 08 |
| 1 X 6 | 6 | 21¾" | 12 | 12 00 | 14 | 13 65 | 14 | 13 30 |
| 1 X 7 | 7 | 25½" | 14 | 14 00 | 16½ | 15 93 | 16½ | 15 52 |
| 1 X 8 | 8 | 28½" | 16 | 16 00 | 18¾ | 18 20 | 18¾ | 17 73 |
| 1 X 9 | 9 | 31½" | 18 | 18 00 | 21 | 20 48 | 21 | 19 95 |
| 1 X 10 | 10 | 34½" | 20 | 20 00 | 23½ | 22 75 | 23½ | 22 17 |
| 1 X 11 | 11 | 38" | 22 | 22 00 | 25¾ | 25 03 | 25¾ | 24 38 |
| 1 X 12 | 12 | 41¼" | 24 | 24 00 | 28 | 27 30 | 28 | 26 60 |
| 1 X 13 | 13 | 44¾" | 26 | 26 00 | 30½ | 29 58 | 30½ | 28 82 |
| 1 X 14 | 14 | 47¾" | 28 | 28 00 | 32¾ | 31 85 | 32¾ | 31 03 |
| 1 X 15 | 15 | 51" | 30 | 30 00 | 35 | 34 13 | 35 | 33 25 |
| 1 X 16 | 16 | 54" | 32 | 32 00 | 37½ | 36 40 | 37½ | 35 47 |
| 1 X 18 | 18 | 60½" | 36 | 36 00 | 42 | 40 95 | 42 | 39 90 |
| 1 X 20 | 20 | 66¾" | 40 | 40 00 | 46¾ | 45 50 | 46¾ | 44 33 |
| 1 X 22 | 22 | 73¼" | 44 | 44 00 | 51½ | 50 05 | 51½ | 48 77 |
| 1 X 24 | 24 | 79¾" | 48 | 48 00 | 56 | 54 60 | 56 | 53 20 |
| 1 X 26 | 26 | 86½" | 52 | 52 00 | 60¾ | 59 15 | 60¾ | 57 63 |

NOTE.—The above prices are for all Radiators 24" high, and under.

All Regular Goods Tapped 1" X ¾" "Right Hand."

All Regular Goods Tapped 1" X ¾" "Right Hand."

TRADE BUNDY MARK.

Two Row Bundy Direct Radiator.

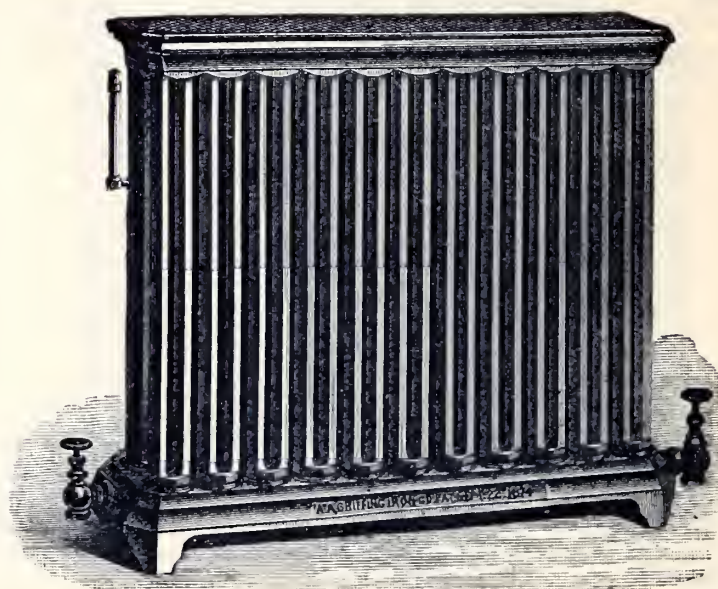


FIG. 2.

FIG. 2 represents the Two Row Bundy Direct Radiator with open base forming a loop (see cut, page 42). This is a very superior Radiator for all systems of piping, and when used with feed and return on same end, is equivalent to a single Row Radiator of double the length owing to septum in the Base.

FORTY-TWO INCHES HIGH, TWO ROWS OF LOOPS.

| FOR STANDARD, ENLARGED, OR EXTENDED SURFACE LOOPS. | | | | | | | | |
|--------------------------------------------------------------------------------------|------------------|----------------------|-----------------------------------------------------|-----------------------------------------|-----------------------------------------------------|-----------------------------------------|-----------------------------------------------------|-----------------------------------------|
| LIST OF RADIATORS BUILT ON THE FOLLOWING SIZE BASES. Width of Base, 9 3/4 inches. | | | STANDARD. | | ENLARGED. | | EXTENDED SURFACE. | |
| | | | Each Loop Represents 3 1/2 Feet of Heating Surface. | | Each Loop Represents 4 1/4 Feet of Heating Surface. | | Each Loop Represents 4 1/4 Feet of Heating Surface. | |
| | | | LIST PRICE, Per Foot, 70c. Per Loop, \$2.45 | | LIST PRICE, Per Foot, 67 1/2c. Per Loop, \$2.87. | | LIST PRICE, Per Foot, 65c. Per Loop, \$2.56. | |
| Shape of Radiator. | Number of Loops. | Length of Radiators. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. |
| 2 X 3 | 6 | 12 | 21 | \$14 70 | 25 1/2 | \$17 21 | 25 1/2 | \$16 58 |
| 2 X 4 | 8 | 15 1/4 | 28 | 19 60 | 34 | 22 95 | 34 | 22 10 |
| 2 X 5 | 10 | 18 1/2 | 35 | 24 50 | 42 1/2 | 28 69 | 42 1/2 | 27 63 |
| 2 X 6 | 12 | 21 3/4 | 42 | 29 40 | 51 | 34 43 | 51 | 33 15 |
| 2 X 7 | 14 | 24 1/8 | 49 | 34 30 | 59 1/2 | 40 16 | 59 1/2 | 38 68 |
| 2 X 8 | 16 | 28 1/8 | 56 | 39 20 | 68 | 45 90 | 68 | 44 20 |
| 2 X 9 | 18 | 31 1/4 | 63 | 44 10 | 76 1/2 | 51 64 | 76 1/2 | 49 73 |
| 2 X 10 | 20 | 34 1/8 | 70 | 49 00 | 85 | 57 38 | 85 | 55 25 |
| 2 X 11 | 22 | 38 1/8 | 77 | 53 90 | 93 1/2 | 63 12 | 93 1/2 | 60 78 |
| 2 X 12 | 24 | 41 1/4 | 84 | 58 80 | 102 | 68 85 | 102 | 66 30 |
| 2 X 13 | 26 | 44 1/8 | 91 | 63 70 | 110 1/2 | 74 59 | 110 1/2 | 71 83 |
| 2 X 14 | 28 | 47 1/8 | 98 | 68 60 | 119 | 80 33 | 119 | 77 35 |
| 2 X 15 | 30 | 50 7/8 | 105 | 73 50 | 127 1/2 | 86 07 | 127 1/2 | 82 88 |
| 2 X 16 | 32 | 54 1/8 | 112 | 78 40 | 136 | 91 80 | 136 | 88 40 |
| 2 X 18 | 36 | 60 3/8 | 126 | 88 20 | 153 | 103 28 | 153 | 99 45 |
| 2 X 20 | 40 | 66 7/8 | 140 | 98 00 | 170 | 114 75 | 170 | 110 50 |
| 2 X 22 | 44 | 73 1/4 | 154 | 107 80 | 187 | 126 23 | 187 | 121 55 |
| 2 X 24 | 48 | 79 3/4 | 168 | 117 60 | 204 | 137 70 | 204 | 132 60 |
| 2 X 26 | 52 | 86 1/4 | 182 | 127 40 | 221 | 149 18 | 221 | 143 65 |

NOTE.—The above prices are for all Radiators 42" high, or under to 36" high.

All Regular Goods Tapped 1" X 3/4" "Right Hand."

A. A. GRIFFIN IRON CO. BUNDY RADIATORS. JERSEY CITY, N. J.

TRADE BUNDY MARK.

THIRTY-SIX INCHES HIGH, TWO ROWS OF LOOPS.

FOR STANDARD, ENLARGED, OR EXTENDED SURFACE LOOPS.

| LIST OF RADIATORS BUILT ON THE FOLLOWING SIZE BASES. | | | STANDARD. | | ENLARGED. | | EXTENDED SURFACE. | |
|------------------------------------------------------|------------------|----------------------|-------------------------------------------------|-----------------------------------------|-----------------------------------------------------|-----------------------------------------|-----------------------------------------------------|-----------------------------------------|
| Width of Base, 9 3/4 inches. | | | Each Loop Represents 3 Feet of Heating Surface. | | Each Loop Represents 3 1/2 Feet of Heating Surface. | | Each Loop Represents 3 1/2 Feet of Heating Surface. | |
| Shape of Radiator. | Number of Loops. | Length of Radiators. | LIST PRICE. | | LIST PRICE. | | LIST PRICE. | |
| | | | Per Foot, 75c. | Per Loop, \$2.25. | Per Foot, 72 1/2c. | Per Loop, \$2.54. | Per Foot, 70c. | Per Loop, \$2.45. |
| | | | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. |
| 2 X 3 | 6 | 12" | 18 | \$13 50 | 21 | \$15 23 | 21 | \$14 70 |
| 2 X 4 | 8 | 15 1/4" | 24 | 18 00 | 28 | 20 30 | 28 | 19 60 |
| 2 X 5 | 10 | 18 1/2" | 30 | 22 50 | 35 | 25 38 | 35 | 24 50 |
| 2 X 6 | 12 | 21 3/4" | 36 | 27 00 | 42 | 30 45 | 42 | 29 40 |
| 2 X 7 | 14 | 24 8" | 42 | 31 50 | 49 | 35 53 | 49 | 34 30 |
| 2 X 8 | 16 | 28 1/8" | 48 | 36 00 | 56 | 40 60 | 56 | 39 20 |
| 2 X 9 | 18 | 31 1/4" | 54 | 40 50 | 63 | 45 68 | 63 | 44 10 |
| 2 X 10 | 20 | 34 8" | 60 | 45 00 | 70 | 50 75 | 70 | 49 00 |
| 2 X 11 | 22 | 38" | 66 | 49 50 | 77 | 55 83 | 77 | 53 90 |
| 2 X 12 | 24 | 41 1/4" | 72 | 54 00 | 84 | 60 90 | 84 | 58 80 |
| 2 X 13 | 26 | 44 3/8" | 78 | 58 50 | 91 | 65 98 | 91 | 63 70 |
| 2 X 14 | 28 | 47 5/8" | 84 | 63 00 | 98 | 71 05 | 98 | 68 60 |
| 2 X 15 | 30 | 50 7/8" | 90 | 67 50 | 105 | 76 13 | 105 | 73 50 |
| 2 X 16 | 32 | 54 1/8" | 96 | 72 00 | 112 | 81 20 | 112 | 78 40 |
| 2 X 18 | 36 | 60 3/8" | 108 | 81 00 | 126 | 91 35 | 126 | 88 20 |
| 2 X 20 | 40 | 66 7/8" | 120 | 90 00 | 140 | 101 50 | 140 | 98 00 |
| 2 X 22 | 44 | 73 1/4" | 132 | 99 00 | 154 | 111 65 | 154 | 107 80 |
| 2 X 24 | 48 | 79 3/4" | 144 | 108 00 | 168 | 121 80 | 168 | 117 60 |
| 2 X 26 | 52 | 86 1/4" | 156 | 117 00 | 182 | 131 95 | 182 | 127 40 |

NOTE.—The above prices are for all Radiators 36" high, or under to 30" high.

THIRTY INCHES HIGH, TWO ROWS OF LOOPS.

| LIST OF RADIATORS BUILT ON THE FOLLOWING SIZE BASES. | | | Each Loop Represents 2 1/2 Feet of Heating Surface. | | Each Loop Represents 3 Feet of Heating Surface. | | Each Loop Represents 3 Feet of Heating Surface. | |
|------------------------------------------------------|------------------|----------------------|-----------------------------------------------------|-------------------|-------------------------------------------------|-------------------|-------------------------------------------------|-------------------|
| Width of Base, 9 3/4 inches. | | | LIST PRICE. | | LIST PRICE. | | LIST PRICE. | |
| Shape of Radiator. | Number of Loops. | Length of Radiators. | Per Foot, 85c. | Per Loop, \$2.13. | Per Foot, 82 1/2c. | Per Loop, \$2.48. | Per Foot, 80c. | Per Loop, \$2.40. |
| | | | | | | | | |
| 2 X 3 | 6 | 12" | 15 | \$12 75 | 18 | \$14 85 | 18 | \$14 40 |
| 2 X 4 | 8 | 15 1/4" | 20 | 17 00 | 24 | 19 80 | 24 | 19 20 |
| 2 X 5 | 10 | 18 1/2" | 25 | 21 25 | 30 | 24 75 | 30 | 24 00 |
| 2 X 6 | 12 | 21 3/4" | 30 | 25 50 | 36 | 29 70 | 36 | 28 80 |
| 2 X 7 | 14 | 24 8" | 35 | 29 75 | 42 | 34 65 | 42 | 33 60 |
| 2 X 8 | 16 | 28 1/8" | 40 | 34 00 | 48 | 39 60 | 48 | 38 40 |
| 2 X 9 | 18 | 31 1/4" | 45 | 38 25 | 54 | 44 55 | 54 | 43 20 |
| 2 X 10 | 20 | 34 8" | 50 | 42 50 | 60 | 49 50 | 60 | 48 00 |
| 2 X 11 | 22 | 38" | 55 | 46 75 | 66 | 54 45 | 66 | 52 80 |
| 2 X 12 | 24 | 41 1/4" | 60 | 51 00 | 72 | 59 40 | 72 | 57 60 |
| 2 X 13 | 26 | 44 3/8" | 65 | 55 25 | 78 | 64 35 | 78 | 62 40 |
| 2 X 14 | 28 | 47 5/8" | 70 | 59 50 | 84 | 69 30 | 84 | 67 20 |
| 2 X 15 | 30 | 50 7/8" | 75 | 63 75 | 90 | 74 25 | 90 | 72 00 |
| 2 X 16 | 32 | 54 1/8" | 80 | 68 00 | 96 | 79 20 | 96 | 76 80 |
| 2 X 18 | 36 | 60 3/8" | 90 | 76 50 | 108 | 89 10 | 108 | 86 40 |
| 2 X 20 | 40 | 66 7/8" | 100 | 85 00 | 120 | 99 00 | 120 | 96 00 |
| 2 X 22 | 44 | 73 1/4" | 110 | 93 50 | 132 | 108 90 | 132 | 105 60 |
| 2 X 24 | 48 | 79 3/4" | 120 | 102 00 | 144 | 118 80 | 144 | 115 20 |
| 2 X 26 | 52 | 86 1/4" | 130 | 110 50 | 156 | 128 70 | 156 | 124 80 |

NOTE.—The above prices are for all Radiators 30" high, or under to 24" high.

TWENTY-FOUR INCHES HIGH, TWO ROWS OF LOOPS.

| LIST OF RADIATORS BUILT ON THE FOLLOWING SIZE BASES. | | | Each Loop Represents 2 Feet of Heating Surface. | | Each Loop Represents 2 1/2 Feet of Heating Surface. | | Each Loop Represents 2 1/2 Feet of Heating Surface. | |
|------------------------------------------------------|------------------|----------------------|-------------------------------------------------|-------------------|-----------------------------------------------------|-------------------|-----------------------------------------------------|-------------------|
| Width of Base, 9 inches. | | | LIST PRICE. | | LIST PRICE. | | LIST PRICE. | |
| Shape of Radiator. | Number of Loops. | Length of Radiators. | Per Foot, \$1.00. | Per Loop, \$2.00. | Per Foot, 97 1/2c. | Per Loop, \$2.28. | Per Foot, 95c. | Per Loop, \$2.22. |
| | | | | | | | | |
| 2 X 3 | 6 | 12" | 12 | \$12 00 | 14 | \$13 65 | 14 | \$13 30 |
| 2 X 4 | 8 | 15 1/4" | 16 | 16 00 | 18 2/3 | 18 20 | 18 2/3 | 17 73 |
| 2 X 5 | 10 | 18 1/2" | 20 | 20 00 | 23 1/3 | 22 75 | 23 1/3 | 22 17 |
| 2 X 6 | 12 | 21 3/4" | 24 | 24 00 | 28 | 27 30 | 28 | 26 60 |
| 2 X 7 | 14 | 24 8" | 28 | 28 00 | 32 2/3 | 31 85 | 32 2/3 | 31 03 |
| 2 X 8 | 16 | 28 1/8" | 32 | 32 00 | 37 1/3 | 36 40 | 37 1/3 | 35 46 |
| 2 X 9 | 18 | 31 1/4" | 36 | 36 00 | 42 | 40 95 | 42 | 39 90 |
| 2 X 10 | 20 | 34 5/8" | 40 | 40 00 | 46 2/3 | 45 50 | 46 2/3 | 44 33 |
| 2 X 11 | 22 | 38" | 44 | 44 00 | 51 1/3 | 50 05 | 51 1/3 | 48 77 |
| 2 X 12 | 24 | 41 1/4" | 48 | 48 00 | 56 | 54 60 | 56 | 53 20 |
| 2 X 13 | 26 | 44 3/8" | 52 | 52 00 | 60 2/3 | 59 15 | 60 2/3 | 57 63 |
| 2 X 14 | 28 | 47 5/8" | 56 | 56 00 | 65 1/3 | 63 70 | 65 1/3 | 62 07 |
| 2 X 15 | 30 | 50 7/8" | 60 | 60 00 | 70 | 68 25 | 70 | 66 50 |
| 2 X 16 | 32 | 54 1/8" | 64 | 64 00 | 74 2/3 | 72 81 | 74 2/3 | 70 93 |
| 2 X 18 | 36 | 60 3/8" | 72 | 72 00 | 84 | 81 90 | 84 | 79 80 |
| 2 X 20 | 40 | 66 7/8" | 80 | 80 00 | 93 1/3 | 91 00 | 93 1/3 | 88 66 |
| 2 X 22 | 44 | 73 1/4" | 88 | 88 00 | 102 2/3 | 100 10 | 102 2/3 | 97 54 |
| 2 X 24 | 48 | 79 3/4" | 96 | 96 00 | 112 | 109 20 | 112 | 106 70 |
| 2 X 26 | 52 | 86 1/4" | 104 | 104 00 | 121 1/3 | 118 30 | 121 1/3 | 115 27 |

NOTE.—The above prices are for all Radiators 24" high, and under.

All Regular Goods Tapped 1" X 3/4" "Right Hand."

All Regular Goods Tapped 1" X 3/4" "Right Hand."

TRADE BUNDY MARK.

Three Row Bundy Direct Radiator.

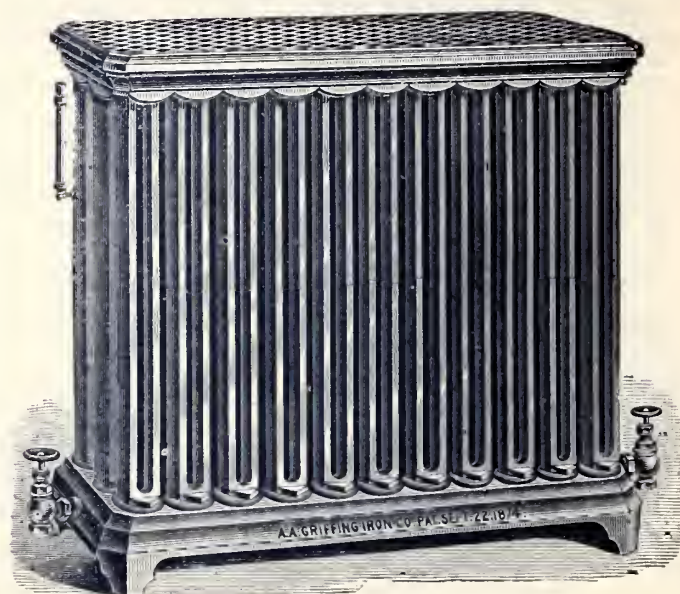


FIG. 3.

FIG. 3 represents the Three Row Bundy Direct Radiator, which has no equivalent in width in any other vertical tube Radiator in the market. This is very superior where a large Radiator is required, or space is limited, and is adapted to the one pipe system or with feed and return on same end.

FORTY-TWO INCHES HIGH. THREE ROWS OF LOOPS.

| FOR STANDARD, ENLARGED, OR EXTENDED SURFACE LOOPS. | | | | | | | | |
|------------------------------------------------------------------------------------|------------------|----------------------|--------------------------------------------------|-----------------------------------------|--------------------------------------------------|-----------------------------------------|--------------------------------------------------|-----------------------------------------|
| LIST OF RADIATORS BUILT ON THE FOLLOWING SIZE BASES. Width of Base, 13½ inches. | | | STANDARD. | | ENLARGED. | | EXTENDED SURFACE. | |
| | | | Each Loop Represents 3½ Feet of Heating Surface. | | Each Loop Represents 4½ Feet of Heating Surface. | | Each Loop Represents 4½ Feet of Heating Surface. | |
| Shape of Radiator. | Number of Loops. | Length of Radiators. | LIST PRICE. | | LIST PRICE. | | LIST PRICE. | |
| | | | Per Foot, 70c. | Per Loop, \$2.45 | Per Foot, 67½c. | Per Loop, \$2.87. | Per Foot, 65c. | Per Loop, \$2.76. |
| | | | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. |
| 3 X 3 | 9 | 12¼" | 31½ | \$22 05 | 38¼ | \$25 82 | 38¼ | \$24 86 |
| 3 X 4 | 12 | 15½" | 42 | 29 40 | 51 | 34 43 | 51 | 33 15 |
| 3 X 5 | 15 | 18½" | 52½ | 36 75 | 63¾ | 43 03 | 63¾ | 41 44 |
| 3 X 6 | 18 | 22" | 63 | 44 10 | 76½ | 51 64 | 76½ | 49 73 |
| 3 X 7 | 21 | 25¾" | 73½ | 51 45 | 89¼ | 60 25 | 89¼ | 58 02 |
| 3 X 8 | 24 | 28¾" | 84 | 58 80 | 102 | 68 85 | 102 | 66 30 |
| 3 X 9 | 27 | 31½" | 94½ | 66 15 | 114¾ | 77 46 | 114¾ | 74 59 |
| 3 X 10 | 30 | 34¼" | 105 | 73 50 | 127½ | 86 07 | 127½ | 82 88 |
| 3 X 11 | 33 | 39" | 115½ | 80 85 | 140¼ | 94 38 | 140¼ | 91 17 |
| 3 X 12 | 36 | 42" | 126 | 88 20 | 153 | 103 28 | 153 | 99 45 |
| 3 X 13 | 39 | 45½" | 136½ | 95 55 | 165¾ | 111 88 | 165¾ | 107 73 |
| 3 X 15 | 45 | 51¾" | 157½ | 110 25 | 191¼ | 129 10 | 191¼ | 124 32 |

NOTE.—The above prices are for all Radiators 42" high, or under to 36" high.

All Regular Goods Tapped 1" X ¾" "Right Hand."

A. A. GREENE IRON CO. BUNDY RADIATORS. JERSEY CITY, N. J.

TRADE BUNDY MARK.

THIRTY-SIX INCHES HIGH, THREE ROWS OF LOOPS.

| FOR STANDARD, ENLARGED, OR EXTENDED SURFACE LOOPS. | | | | | | | | |
|------------------------------------------------------------------------------------|------------------|----------------------|-------------------------------------------------|-----------------------------------------|--------------------------------------------------|-----------------------------------------|--------------------------------------------------|-----------------------------------------|
| LIST OF RADIATORS BUILT ON THE FOLLOWING SIZE BASES. Width of Base, 13½ inches. | | | STANDARD. | | ENLARGED. | | EXTENDED SURFACE. | |
| | | | Each Loop Represents 3 Feet of Heating Surface. | | Each Loop Represents 3½ Feet of Heating Surface. | | Each Loop Represents 3½ Feet of Heating Surface. | |
| Shape of Radiator. | Number of Loops. | Length of Radiators. | LIST PRICE. | | LIST PRICE. | | LIST PRICE. | |
| | | | Per Foot, 75c. | Per Loop, \$2.25. | Per Foot, 72½c. | Per Loop, \$2.54. | Per Foot, 70c. | Per Loop, \$2.45. |
| | | | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. |
| 3 X 3 | 9 | 12¼" | 27 | \$20 25 | 31½ | \$22 84 | 31½ | \$22 05 |
| 3 X 4 | 12 | 15½" | 36 | 27 00 | 42 | 30 45 | 42 | 29 40 |
| 3 X 5 | 15 | 18½" | 45 | 33 75 | 52½ | 38 07 | 52½ | 36 75 |
| 3 X 6 | 18 | 22" | 54 | 40 50 | 63 | 45 68 | 63 | 44 10 |
| 3 X 7 | 21 | 25⅝" | 63 | 47 25 | 73½ | 53 29 | 73½ | 51 45 |
| 3 X 8 | 24 | 28⅝" | 72 | 54 00 | 84 | 60 90 | 84 | 58 80 |
| 3 X 9 | 27 | 31½" | 81 | 60 75 | 94½ | 68 52 | 94½ | 66 15 |
| 3 X 10 | 30 | 34¼" | 90 | 67 50 | 105 | 76 13 | 105 | 73 50 |
| 3 X 11 | 33 | 39" | 99 | 74 25 | 115½ | 83 74 | 115½ | 80 85 |
| 3 X 12 | 36 | 42" | 108 | 81 00 | 126 | 91 35 | 126 | 88 20 |
| 3 X 13 | 39 | 45⅝" | 117 | 87 75 | 136½ | 98 97 | 136½ | 95 55 |
| 3 X 15 | 45 | 51¼" | 135 | 101 25 | 157½ | 114 20 | 157½ | 110 25 |

NOTE.—The above prices are for all Radiators 36" high, or under to 30" high.

THIRTY INCHES HIGH, THREE ROWS OF LOOPS.

| LIST OF RADIATORS BUILT ON THE FOLLOWING SIZE BASES. Width of Base, 13½ inches. | | | Each Loop Represents 2½ Feet of Heating Surface. | | Each Loop Represents 3 Feet of Heating Surface. | | Each Loop Represents 3 Feet of Heating Surface. | |
|------------------------------------------------------------------------------------|------------------|----------------------|--------------------------------------------------|-----------------------------------------|-------------------------------------------------|-----------------------------------------|-------------------------------------------------|-----------------------------------------|
| | | | LIST PRICE. | | LIST PRICE. | | LIST PRICE. | |
| Shape of Radiator. | Number of Loops. | Length of Radiators. | Per Foot, 85c. | Per Loop, \$2.13. | Per Foot, 82½c. | Per Loop, \$2.48. | Per Foot, 80c. | Per Loop, \$2.40. |
| | | | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. |
| 3 X 3 | 9 | 12¼" | 22½ | \$19 12 | 27 | \$22 28 | 27 | \$21 60 |
| 3 X 4 | 12 | 15½" | 30 | 25 50 | 36 | 29 70 | 36 | 28 80 |
| 3 X 5 | 15 | 18½" | 37½ | 31 87 | 45 | 37 13 | 45 | 36 00 |
| 3 X 6 | 18 | 22" | 45 | 38 25 | 54 | 44 55 | 54 | 43 20 |
| 3 X 7 | 21 | 25⅝" | 52½ | 44 62 | 63 | 51 98 | 63 | 50 40 |
| 3 X 8 | 24 | 28⅝" | 60 | 51 00 | 72 | 59 40 | 72 | 57 60 |
| 3 X 9 | 27 | 31½" | 67½ | 57 37 | 81 | 66 83 | 81 | 64 80 |
| 3 X 10 | 30 | 34¼" | 75 | 63 75 | 90 | 74 25 | 90 | 72 00 |
| 3 X 11 | 33 | 39" | 82½ | 70 12 | 99 | 81 68 | 99 | 79 20 |
| 3 X 12 | 36 | 42" | 90 | 76 50 | 108 | 89 10 | 108 | 86 40 |
| 3 X 13 | 39 | 45⅝" | 97½ | 82 87 | 117 | 96 53 | 117 | 93 60 |
| 3 X 15 | 45 | 51¼" | 112½ | 95 62 | 135 | 111 38 | 135 | 108 00 |

NOTE.—The above prices are for all Radiators 30" high, or under to 24" high.

TWENTY-FOUR INCHES HIGH, THREE ROWS OF LOOPS.

| LIST OF RADIATORS BUILT ON THE FOLLOWING SIZE BASES. Width of Base, 13½ inches. | | | Each Loop Represents 2 Feet of Heating Surface. | | Each Loop Represents 2½ Feet of Heating Surface. | | Each Loop Represents 2½ Feet of Heating Surface. | |
|------------------------------------------------------------------------------------|------------------|----------------------|-------------------------------------------------|-----------------------------------------|--------------------------------------------------|-----------------------------------------|--------------------------------------------------|-----------------------------------------|
| | | | LIST PRICE. | | LIST PRICE. | | LIST PRICE. | |
| Shape of Radiator. | Number of Loops. | Length of Radiators. | Per Foot, \$1.00. | Per Loop, \$2.00. | Per Foot, 97½c. | Per Loop, \$2.28. | Per Foot, 95c. | Per Loop, \$2.22. |
| | | | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. |
| 3 X 3 | 9 | 12¼" | 18 | \$18 00 | 21 | \$20 48 | 21 | \$19 95 |
| 3 X 4 | 12 | 15½" | 24 | 24 00 | 28 | 27 30 | 28 | 26 60 |
| 3 X 5 | 15 | 18½" | 30 | 30 00 | 35 | 34 13 | 35 | 33 25 |
| 3 X 6 | 18 | 22" | 36 | 36 00 | 42 | 40 95 | 42 | 39 90 |
| 3 X 7 | 21 | 25⅝" | 42 | 42 00 | 49 | 47 78 | 49 | 46 55 |
| 3 X 8 | 24 | 28⅝" | 48 | 48 00 | 56 | 54 60 | 56 | 53 20 |
| 3 X 9 | 27 | 31½" | 54 | 54 00 | 63 | 61 43 | 63 | 59 85 |
| 3 X 10 | 30 | 34¼" | 60 | 60 00 | 70 | 68 25 | 70 | 66 50 |
| 3 X 11 | 33 | 39" | 66 | 66 00 | 77 | 75 08 | 77 | 73 15 |
| 3 X 12 | 36 | 42" | 72 | 72 00 | 84 | 81 90 | 84 | 79 80 |
| 3 X 13 | 39 | 45⅝" | 78 | 78 00 | 91 | 88 73 | 91 | 86 45 |
| 3 X 15 | 45 | 51¼" | 90 | 90 00 | 105 | 102 38 | 105 | 99 75 |

NOTE.—The above prices are for all Radiators 24" high, and under.

All Regular Goods Tapped 1" X ¾" "Right Hand."

All Regular Goods Tapped 1" X ¾" "Right Hand."

TRADE BUNDY MARK.

Four Row Bundy Direct Radiator.

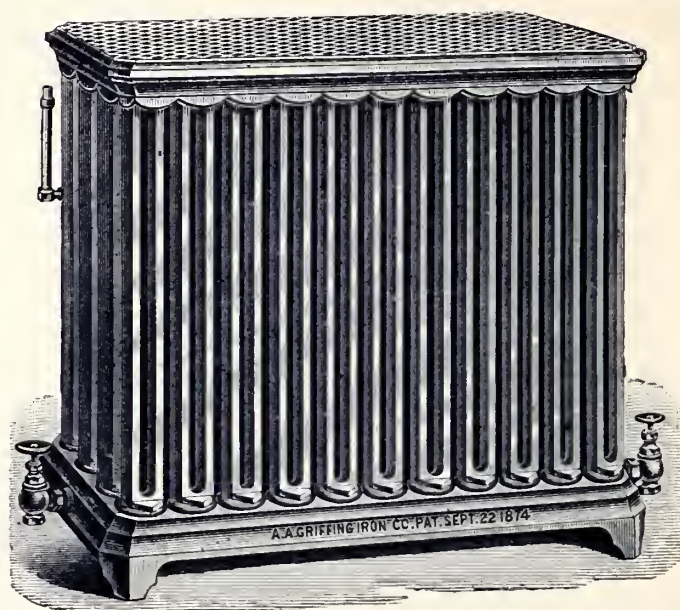


FIG. 4.

FIG. 4 represents the Four Row Bundy Direct Radiator, which has no equivalent in width in any other vertical tube Radiator on the market, occupying less space than any other with the same amount of heating surface, and can be used on the one pipe system, or with feed and return on same end with septum in base is equivalent to a two Row Radiator with an equal number of loops.

FORTY-TWO INCHES HIGH, FOUR ROWS OF LOOPS.

| FOR STANDARD, ENLARGED, OR EXTENDED SURFACE LOOPS. | | | | | | | | |
|------------------------------------------------------------------------------------|------------------|----------------------|------------------------------------------------------------------------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------|------------------------------------------------------------------------------------------------------|-----------------------------------------|
| LIST OF RADIATORS BUILT ON THE FOLLOWING SIZE BASES. Width of Base, 17½ inches. | | | STANDARD. | | ENLARGED. | | EXTENDED SURFACE. | |
| | | | Each Loop Represents 3½ Feet of Heating Surface. LIST PRICES, Per Foot, 70c. Per Loop, \$2.45. | | Each Loop Represents 4¼ Feet of Heating Surface. LIST PRICES, Per Foot, 67½c. Per Loop, \$2.87. | | Each Loop Represents 4¼ Feet of Heating Surface. LIST PRICES, Per Foot, 65c. Per Loop, \$2.76. | |
| Shape of Radiator. | Number of Loops. | Length of Radiators. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. |
| 4 X 4 | 16 | 16½" | 56 | \$39 20 | 68 | \$45 90 | 68 | \$44 20 |
| 4 X 5 | 20 | 19¾" | 70 | 49 00 | 85 | 57 38 | 85 | 55 25 |
| 4 X 6 | 24 | 22¾" | 84 | 58 80 | 102 | 68 85 | 102 | 66 30 |
| 4 X 8 | 32 | 29¾" | 112 | 78 40 | 136 | 91 80 | 136 | 88 40 |
| 4 X 10 | 40 | 35¾" | 140 | 98 00 | 170 | 114 75 | 170 | 110 50 |
| 4 X 14 | 56 | 48¾" | 196 | 137 20 | 238 | 160 65 | 238 | 154 70 |
| 4 X 18 | 72 | 60½" | 252 | 176 40 | 306 | 206 55 | 306 | 198 90 |
| 4 X 20 | 80 | 67¼" | 280 | 195 00 | 340 | 229 50 | 340 | 221 00 |
| 4 X 22 | 88 | 73½" | 308 | 215 60 | 374 | 252 45 | 374 | 243 10 |
| 4 X 24 | 96 | 79¾" | 336 | 235 20 | 408 | 275 40 | 408 | 265 20 |

NOTE.—The above prices are for all Radiators 42" high, or under to 36" high.

All Regular Goods Tapped 1" X ¼" "Right Hand."

A. A. GRIFFING IRON CO. BUNDY RADIATORS. JERSEY CITY, N. J.

TRADE BUNDY MARK.

THIRTY-SIX INCHES HIGH, FOUR ROWS OF LOOPS.

| FOR STANDARD, ENLARGED, OR EXTENDED SURFACE LOOPS. | | | | | | | | |
|------------------------------------------------------------------------------------|------------------|----------------------|-------------------------------------------------|-----------------------------------------|--------------------------------------------------|-----------------------------------------|--------------------------------------------------|-----------------------------------------|
| LIST OF RADIATORS BUILT ON THE FOLLOWING SIZE BASES. Width of Base, 17½ inches. | | | STANDARD. | | ENLARGED. | | EXTENDED SURFACE. | |
| | | | Each Loop Represents 3 Feet of Heating Surface. | | Each Loop Represents 3½ Feet of Heating Surface. | | Each Loop Represents 3½ Feet of Heating Surface. | |
| Shape of Radiator. | Number of Loops. | Length of Radiators. | LIST PRICE. | | LIST PRICE. | | LIST PRICE. | |
| | | | Per Foot, 75c. | Per Loop, \$2.25. | Per Foot, 72½c. | Per Loop, \$2.54. | Per Foot, 70c. | Per Loop, \$2.45. |
| | | | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. |
| 4 X 4 | 16 | 16½" | 48 | \$36 00 | 56 | \$40 60 | 56 | \$39 20 |
| 4 X 5 | 20 | 19¾" | 60 | 45 00 | 70 | 50 75 | 70 | 49 00 |
| 4 X 6 | 24 | 22¾" | 72 | 54 00 | 84 | 60 90 | 84 | 58 80 |
| 4 X 8 | 32 | 29¼" | 96 | 72 00 | 112 | 81 20 | 112 | 78 40 |
| 4 X 10 | 40 | 35¾" | 120 | 90 00 | 140 | 101 50 | 140 | 98 00 |
| 4 X 14 | 56 | 45¾" | 168 | 126 00 | 196 | 142 10 | 196 | 137 20 |
| 4 X 18 | 72 | 60½" | 216 | 162 00 | 252 | 182 70 | 252 | 176 40 |
| 4 X 20 | 80 | 67¼" | 240 | 180 00 | 280 | 203 00 | 280 | 196 00 |
| 4 X 22 | 88 | 73½" | 264 | 198 00 | 308 | 223 30 | 308 | 215 60 |
| 4 X 24 | 96 | 79¾" | 288 | 216 00 | 336 | 243 60 | 336 | 235 20 |

NOTE.—The above prices are for all Radiators 36" high, or under to 30" high.

THIRTY INCHES HIGH, FOUR ROWS OF LOOPS.

| LIST OF RADIATORS BUILT ON THE FOLLOWING SIZE BASES. Width of Base, 17½ inches. | | | Each Loop Represents 2½ Feet of Heating Surface. | | Each Loop Represents 3 Feet of Heating Surface. | | Each Loop Represents 3 Feet of Heating Surface. | |
|------------------------------------------------------------------------------------|------------------|----------------------|--------------------------------------------------|-----------------------------------------|-------------------------------------------------|-----------------------------------------|-------------------------------------------------|-----------------------------------------|
| | | | LIST PRICE. | | LIST PRICE. | | LIST PRICE. | |
| Shape of Radiator. | Number of Loops. | Length of Radiators. | Per Foot, 85c. | Per Loop, \$2.13. | Per Foot, 82½c. | Per Loop, \$2.48. | Per Foot, 80c. | Per Loop, \$2.40. |
| | | | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. |
| 4 X 4 | 16 | 16½" | 40 | \$34 00 | 48 | \$39 60 | 48 | \$38 40 |
| 4 X 5 | 20 | 19¾" | 50 | 42 50 | 60 | 49 50 | 60 | 48 00 |
| 4 X 6 | 24 | 22¾" | 60 | 51 00 | 72 | 59 40 | 72 | 57 60 |
| 4 X 8 | 32 | 29¼" | 80 | 68 00 | 96 | 79 20 | 96 | 76 80 |
| 4 X 10 | 40 | 35¾" | 100 | 85 00 | 120 | 99 00 | 120 | 96 00 |
| 4 X 14 | 56 | 45¾" | 140 | 119 00 | 168 | 138 60 | 168 | 134 40 |
| 4 X 18 | 72 | 60½" | 180 | 153 00 | 216 | 178 20 | 216 | 172 80 |
| 4 X 20 | 80 | 67¼" | 200 | 170 00 | 240 | 198 00 | 240 | 192 00 |
| 4 X 22 | 88 | 73½" | 220 | 187 00 | 264 | 217 80 | 264 | 211 20 |
| 4 X 24 | 96 | 79¾" | 240 | 204 00 | 288 | 237 60 | 288 | 230 40 |

NOTE.—The above prices are for all Radiators 30" high, or under to 24" high.

TWENTY-FOUR INCHES HIGH, FOUR ROWS OF LOOPS.

| LIST OF RADIATORS BUILT ON THE FOLLOWING SIZE BASES. Width of Base, 17½ inches. | | | Each Loop Represents 2 Feet of Heating Surface. | | Each Loop Represents 2½ Feet of Heating Surface. | | Each Loop Represents 2½ Feet of Heating Surface. | |
|------------------------------------------------------------------------------------|------------------|----------------------|-------------------------------------------------|-----------------------------------------|--------------------------------------------------|-----------------------------------------|--------------------------------------------------|-----------------------------------------|
| | | | LIST PRICE. | | LIST PRICE. | | LIST PRICE. | |
| Shape of Radiator. | Number of Loops. | Length of Radiators. | Per Foot, \$1.00. | Per Loop, \$2.00. | Per Foot, 97½c. | Per Loop, \$2.28. | Per Foot, 95c. | Per Loop, \$2.22. |
| | | | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. |
| 4 X 4 | 16 | 16½" | 32 | \$32 00 | 37½ | \$36 40 | 37½ | \$35 47 |
| 4 X 5 | 20 | 19¾" | 40 | 40 00 | 46½ | 45 50 | 46½ | 44 35 |
| 4 X 6 | 24 | 22¾" | 48 | 48 00 | 56 | 54 60 | 56 | 53 20 |
| 4 X 8 | 32 | 29¼" | 64 | 64 00 | 74½ | 72 80 | 74½ | 70 93 |
| 4 X 10 | 40 | 35¾" | 80 | 80 00 | 93½ | 91 00 | 93½ | 88 67 |
| 4 X 14 | 56 | 45¾" | 112 | 112 00 | 130½ | 127 40 | 130½ | 124 13 |
| 4 X 18 | 72 | 60½" | 144 | 144 00 | 168 | 163 80 | 168 | 159 60 |
| 4 X 20 | 80 | 67¼" | 160 | 160 00 | 186½ | 182 00 | 186½ | 177 35 |
| 4 X 22 | 88 | 73½" | 176 | 176 00 | 205½ | 200 20 | 205½ | 195 06 |
| 4 X 24 | 96 | 79¾" | 192 | 192 00 | 224 | 218 40 | 224 | 212 80 |

NOTE.—The above prices are for all Radiators 24" high.

We have Patterns of Radiators the following heights:

| | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 10" | 14" | 18" | 22" | 26" | 30" | 34" | 38" | 45" |
| 11" | 15" | 19" | 23" | 27" | 31" | 35" | 39" | |
| 12" | 16" | 20" | 24" | 28" | 32" | 36" | 40" | |
| 13" | 17" | 21" | 25" | 29" | 33" | 37" | 42" | |

TRADE BUNDY MARK.

Bundy Circular Direct Radiator.

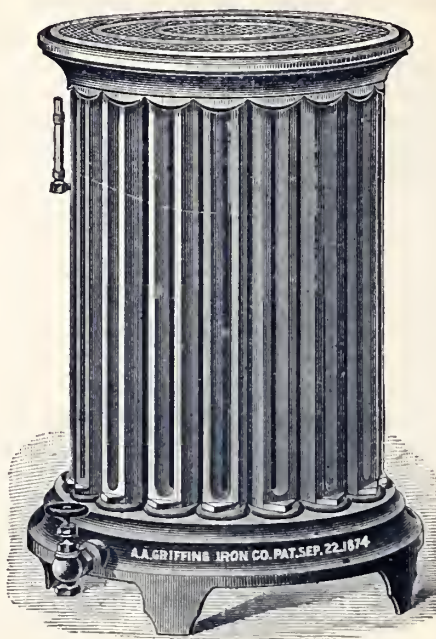


FIG. 5.

FIG. 5 represents the Bundy Circular Direct Radiator. The heating surface of this Radiator is evenly distributed nearest the outer edge of the base, allowing free passage for air through the opening in the base. The large connections between the loops and base of these Radiators give free circulation under any steam pressure, and make it superior to any other Circular Radiator on the market.

FORTY-TWO INCHES HIGH.

| FOR STANDARD, ENLARGED, OR EXTENDED SURFACE LOOPS. | | | | | | | |
|------------------------------------------------------|---------------------------|--------------------------------------------------|-----------------------------------------|--------------------------------------------------|-----------------------------------------|--------------------------------------------------|-----------------------------------------|
| LIST OF RADIATORS BUILT ON THE FOLLOWING SIZE BASES. | | STANDARD. | | ENLARGED. | | EXTENDED SURFACE. | |
| | | Each Loop Represents 3½ Feet of Heating Surface. | | Each Loop Represents 4¼ Feet of Heating Surface. | | Each Loop Represents 4½ Feet of Heating Surface. | |
| | | LIST PRICE. | | LIST PRICE. | | LIST PRICE. | |
| Number of Loops. | Outside Diameter of Base. | Per Foot, 75c. | Per Loop, \$2.63 | Per Foot, 72½c. | Per Loop, \$3.08. | Per Foot, 70c. | Per Loop, \$2.98. |
| | | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. |
| 10 | 17½" | 35 | \$26 25 | 42½ | \$30 82 | 42½ | \$29 75 |
| 15 | 18½" | 52½ | 39 38 | 63¾ | 46 22 | 63¾ | 44 63 |
| 20 | 21½" | 70 | 52 50 | 85 | 61 63 | 85 | 59 50 |
| 26 | 22½" | 91 | 68 25 | 110½ | 80 12 | 110½ | 77 35 |
| 34 | 26½" | 119 | 89 25 | 144½ | 104 77 | 144½ | 101 15 |
| 50 | 31¼" | 175 | 131 25 | 212½ | 154 07 | 212½ | 148 75 |
| 72 | 36" | ... | ... | 306 | 221 85 | 306 | 214 20 |
| 74 | 36" | 259 | 194 25 | ... | ... | ... | ... |

NOTE.—The above prices are for all Radiators 42" high, or under to 36" high.

THIRTY-SIX INCHES HIGH.

| FOR STANDARD, ENLARGED, OR EXTENDED SURFACE LOOPS. | | | | | | | |
|------------------------------------------------------|---------------------------|-------------------------------------------------|-----------------------------------------|--------------------------------------------------|-----------------------------------------|--------------------------------------------------|-----------------------------------------|
| LIST OF RADIATORS BUILT ON THE FOLLOWING SIZE BASES. | | STANDARD. | | ENLARGED. | | EXTENDED SURFACE. | |
| | | Each Loop Represents 3 Feet of Heating Surface. | | Each Loop Represents 3½ Feet of Heating Surface. | | Each Loop Represents 3½ Feet of Heating Surface. | |
| | | LIST PRICE. | | LIST PRICE. | | LIST PRICE. | |
| Number of Loops. | Outside Diameter of Base. | Per Foot, 80c. | Per Loop, \$2.40. | Per Foot, 77½c. | Per Loop, \$2 71. | Per Foot, 75c. | Per Loop, \$2.63. |
| | | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. |
| 10 | 17½" | 30 | \$24 00 | 35 | \$27 13 | 35 | \$26 25 |
| 15 | 18½" | 45 | 36 00 | 52½ | 40 69 | 52½ | 39 38 |
| 20 | 21½" | 60 | 48 00 | 70 | 51 25 | 70 | 52 50 |
| 26 | 22½" | 78 | 62 40 | 91 | 70 53 | 91 | 68 25 |
| 34 | 26½" | 102 | 81 60 | 119 | 92 23 | 119 | 89 25 |
| 50 | 31¼" | 150 | 120 00 | 175 | 135 63 | 175 | 131 25 |
| 72 | 36" | ... | ... | 252 | 195 30 | 252 | 189 00 |
| 74 | 36" | 222 | 177 60 | ... | ... | ... | ... |

NOTE.—The above Prices are for all Radiators 36" high or under.

All Regular Goods Tapped 1" X ¾" "Right Hand."

TRADE BUNDY MARK.

Bundy Column Direct Radiator.

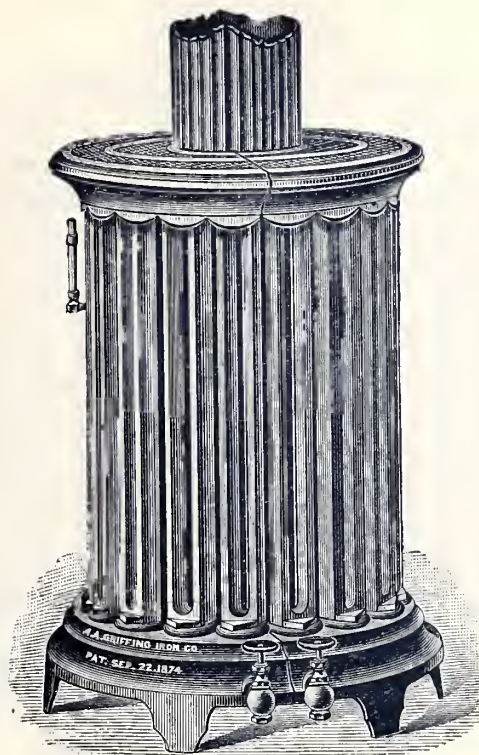


FIG. 7.

FIG. 7 represents the Bundy Column Direct Radiator, in halves to encircle columns. This popular Radiator has all the advantages claimed in our Circular Radiator, and is made to encircle columns up to 17 inches in diameter.

FORTY-TWO INCHES HIGH, IN HALVES TO ENCIRCLE COLUMNS.

| FOR STANDARD, ENLARGED, OR EXTENDED SURFACE LOOPS. | | | | | | | | | |
|------------------------------------------------------|--------------------------------|---------------------------|--------------------------|---------------------------------------------------------------|-----------------------------------------|---------------------------------------------------------------|-----------------------------------------|---------------------------------------------------------------|-----------------------------------------|
| LIST OF RADIATORS BUILT ON THE FOLLOWING SIZE BASES. | | | | STANDARD. | | ENLARGED. | | EXTENDED SURFACE. | |
| | | | | Each Loop Represents 3 $\frac{1}{2}$ Feet of Heating Surface. | | Each Loop Represents 4 $\frac{1}{4}$ Feet of Heating Surface. | | Each Loop Represents 4 $\frac{1}{4}$ Feet of Heating Surface. | |
| Number of Loops. | Number of Loops on Outside Row | Outside Diameter of Base, | Inside Diameter of Base. | LIST PRICE, Per Foot, 80c. Per Loop, \$2.80. | | LIST PRICES, Per Foot, 77 $\frac{1}{2}$ c. Per Loop, \$3.29. | | LIST PRICES, Per Foot, 75c. Per Loop, \$3.19. | |
| | | | | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. |
| 26 | 18 | 26" | 9 $\frac{1}{2}$ " | 91 | \$72 80 | 110 $\frac{1}{2}$ | \$85 64 | 110 $\frac{1}{2}$ | \$82 88 |
| 34 | 22 | 30" | 12 $\frac{3}{4}$ " | 119 | 95 20 | 144 $\frac{1}{2}$ | 111 99 | 144 $\frac{1}{2}$ | 108 38 |
| 50 | 28 | 36" | 17" | 175 | 140 00 | 212 $\frac{1}{2}$ | 164 69 | 212 $\frac{1}{2}$ | 159 38 |

NOTE—The above prices are for all Radiators 42" high, or under to 36" high.

THIRTY-SIX INCHES HIGH, IN HALVES TO ENCIRCLE COLUMNS.

| LIST OF RADIATORS BUILT ON THE FOLLOWING SIZE BASES. | | | | Each Loop Represents 3 Feet of Heating Surface. | | Each Loop Represents 3 $\frac{1}{2}$ Feet of Heating Surface. | | Each Loop Represents 3 $\frac{1}{2}$ Feet of Heating Surface. | |
|------------------------------------------------------|--------------------------------|---------------------------|--------------------------|-------------------------------------------------|-----------------------------------------|---------------------------------------------------------------|-----------------------------------------|---------------------------------------------------------------|-----------------------------------------|
| | | | | LIST PRICE, Per Foot, 85c. Per Loop, \$2.55. | | LIST PRICE, Per Foot, 82 $\frac{1}{2}$ c. Per Loop, \$2.89. | | LIST PRICE, Per Foot, 80c. Per Loop, \$2.80. | |
| Number of Loops. | Number of Loops on Outside Row | Outside Diameter of Base, | Inside Diameter of Base. | | | | | | |
| | | | | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. |
| 26 | 18 | 26" | 9 $\frac{1}{2}$ " | 78 | \$66 30 | 91 | \$75 08 | 91 | \$72 80 |
| 34 | 22 | 30" | 12 $\frac{3}{4}$ " | 102 | 86 70 | 119 | 98 18 | 119 | 95 20 |
| 50 | 28 | 36" | 17" | 150 | 127 50 | 175 | 144 38 | 175 | 140 00 |

NOTE—The above prices are for all Radiators 36" high or under.

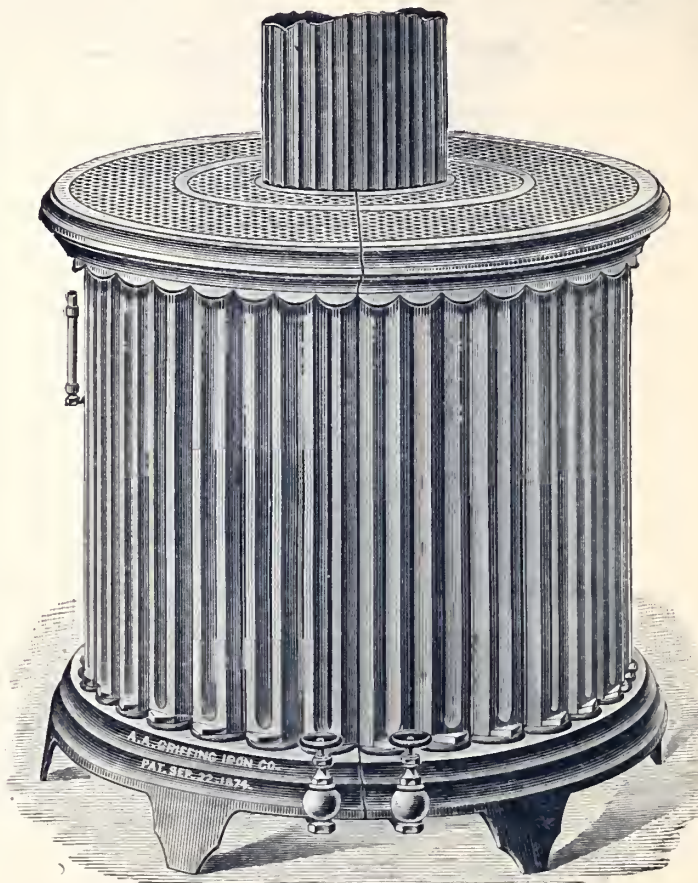
All Regular Goods Tapped 1" \times $\frac{3}{4}$ " "Right Hand."

TRADE BUNDY MARK.

Extra Large Size Bundy Column or Circular Radiator.

SPECIAL NOTICE.

... As in most cases this Radiator is wanted with Marble Top, the price given only includes Binder for Marble Top, but when wanted with Fret Work Iron Top, \$60.00 will be added to the List Price.
 . . . When furnished with a 3-inch thick Tennessee or Knoxville Marble Top, with Bevel, O. G., or Rounded edge, \$100.00 will be added to the List Price.



SPECIAL NOTICE.

... As in most cases this Radiator is wanted with Marble Top, the price given only includes Binder for Marble Top, but when wanted with Fret Work Iron Top, \$60.00 will be added to the List Price.
 . . . When furnished with a 3 inch thick Tennessee or Knoxville Marble Top, with Bevel, O. G., or Rounded edge, \$100.00 will be added to the List Price.

FIG. 8½.

Fig. 8½ represents an Extra Large Size Bundy Column Radiator which is also used as a Circular Radiator, appearing like Fig. 5, only much larger. It has more heating surface than any other portable Radiator made, and is probably the largest Radiator manufactured in the world. The base has large openings between the loops for the free passage of air, thereby securing the full advantage of the inner loops. The loops are well arranged to give the greatest amount of surface in the outside circle, making the Radiator very popular, especially for Railroad Depots, Hotel Rotundas, Warehouses and other large buildings. This Radiator is in use in the renowned Rookery Building, of Chicago, Ill., the Depots of the C. R. R. of N. J., and L. V. R. R., Jersey City and also in the Depot of the South Brooklyn R. R. and Terminal Co., cor. 32d St. and 12d Ave., South Brooklyn, N. Y., and in many other buildings where a maximum of heating surface to a minimum of space occupied by Radiator is appreciated.

FORTY-TWO INCHES HIGH, IN HALVES.

FOR STANDARD, ENLARGED, OR EXTENDED SURFACE LOOPS.

| DESCRIPTION OF RADIATOR BUILT ON THE FOLLOWING SIZE BASE. | | | | STANDARD. | | ENLARGED. | | EXTENDED SURFACE. | |
|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------------------|-------------------------|------------------------------------------------------------------------------------|-----------------------------|-------------------------------------------------------------------------------------|-----------------------------|-------------------------------------------------------------------------------------|-----------------------------|
| | | | | Each Loop Represents 3½ Feet of Heating Surface. | | Each Loop Represents 4¼ Feet of Heating Surface. | | Each Loop Represents 4¼ Feet of Heating Surface. | |
| | | | | LIST PRICE. | | LIST PRICE. | | LIST PRICE. | |
| Number of Loops. | Number of Loops on Outside Row | Outside Diameter of Base. | Inside Diameter of Base | Per Foot, 85c. | Per Loop, \$2.98 | Per Foot, 82½c. | Per Loop, \$3.51. | Per Foot, 80c. | Per Loop, \$3.40. |
| | | | | Feet of Heating Surface. | With Binder for Marble Top. | Feet of Heating Surface. | With Binder for Marble Top. | Feet of Heating Surface. | With Binder for Marble Top. |
| 142 | 46 | 57½" | 18" | 497 | \$422.45 | 603½ | \$497.89 | 603½ | \$482.80 |
| In case a Radiator of less Heating Surface is required, interior loops are omitted without changing the dimensions of the Radiator. | | | | Deduct 3 feet of Heating Surface and \$2.00 from List Price for each loop omitted. | | Deduct 3¼ feet of Heating Surface and \$2.50 from List Price for each loop omitted. | | Deduct 3¼ feet of Heating Surface and \$2.40 from List Price for each loop omitted. | |

NOTE.—The above prices are for all Radiators 42" high or under to 36" high.

THIRTY-SIX INCHES HIGH, IN HALVES.

| DESCRIPTION OF RADIATOR BUILT ON THE FOLLOWING SIZE BASE. | | | | STANDARD. | | ENLARGED. | | EXTENDED SURFACE. | |
|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------------------|-------------------------|-------------------------------------------------------------------------------------|-----------------------------|------------------------------------------------------------------------------------|-----------------------------|------------------------------------------------------------------------------------|-----------------------------|
| | | | | Each Loop Represents 3 Feet of Heating Surface. | | Each Loop Represents 3½ Feet of Heating Surface. | | Each Loop Represents 3½ Feet of Heating Surface. | |
| | | | | LIST PRICE. | | LIST PRICE. | | LIST PRICE. | |
| Number of Loops. | Number of Loops on Outside Row | Outside Diameter of Base. | Inside Diameter of Base | Per Foot, 90c. | Per Loop, \$2.70 | Per Foot, 87½c. | Per Loop, \$3.06 | Per Foot, 85c. | Per Loop, \$2.98 |
| | | | | Feet of Heating Surface. | With Binder for Marble Top. | Feet of Heating Surface. | With Binder for Marble Top. | Feet of Heating Surface. | With Binder for Marble Top. |
| 142 | 46 | 57½" | 18" | 426 | \$383.40 | 497 | \$434.88 | 497 | \$422.45 |
| In case a Radiator of less Heating Surface is required, interior loops are omitted without changing the dimensions of the Radiator. | | | | Deduct 2½ feet of Heating Surface and \$1.70 from List Price for each loop omitted. | | Deduct 3 feet of Heating Surface and \$2.05 from List Price for each loop omitted. | | Deduct 3 feet of Heating Surface and \$2.00 from List Price for each loop omitted. | |

NOTE.—The above prices are for all Radiators 36" high or under.

These Radiators are all Tapped 1¼"×1" "Right Hand," and the Center of Tapping is 7" from the Floor.

TRADE BUNDY MARK.

Bundy Corner Direct Radiator.

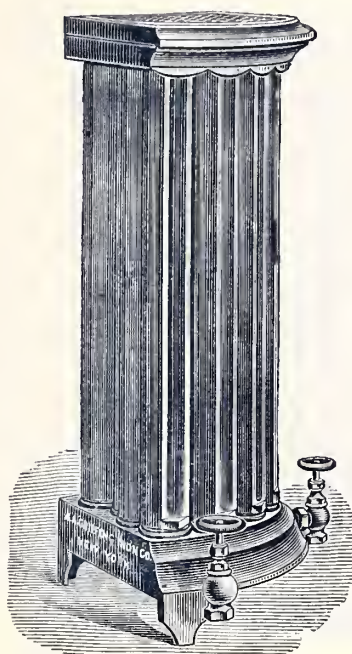


FIG. 9.

FIG. 9 represents the Corner Direct Radiator. This Radiator is intended for the corners of rooms where floor space is limited, and it is desirable to place the Radiators out of the way as much as possible.

FORTY-TWO INCHES HIGH.

| FOR STANDARD, ENLARGED, OR EXTENDED SURFACE LOOPS. | | | | | | | | |
|------------------------------------------------------|-------------------|-------------------------------|--------------------------------------------------|-----------------------------------------|--------------------------------------------------|-----------------------------------------|--------------------------------------------------|-----------------------------------------|
| LIST OF RADIATORS BUILT ON THE FOLLOWING SIZE BASES. | | | STANDARD. | | ENLARGED. | | EXTENDED SURFACE. | |
| | | | Each Loop Represents 3½ Feet of Heating Surface. | | Each Loop Represents 4¼ Feet of Heating Surface. | | Each Loop Represents 4¼ Feet of Heating Surface. | |
| | | | LIST PRICE. | | LIST PRICE. | | LIST PRICE. | |
| Number of Loops. | Radius of Circle. | Number of Loops in Front Row. | Per Foot, 75c. | Per Loop, \$2.63 | Per Foot, 72½c. | Per Loop, \$3.08. | Per Foot, 70c. | Per Loop, \$2.98. |
| | | | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. |
| 10 | 15" | 5 | 35 | \$26 25 | 42½ | \$30 82 | 42½ | \$29 75 |
| 15 | 17¼" | 6 | 52½ | 39 38 | 63¾ | 46 22 | 63¾ | 44 63 |
| 20 | 19½" | 7 | 70 | 52 50 | 85 | 61 63 | 85 | 59 50 |

NOTE.—The above prices are for all Radiators 42" high, or under to 36" high.

THIRTY-SIX INCHES HIGH.

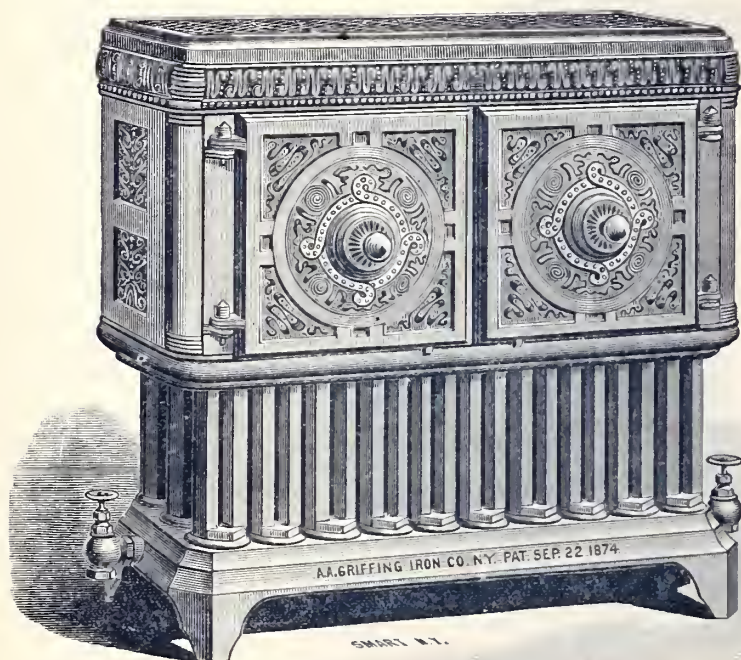
| LIST OF RADIATORS BUILT ON THE FOLLOWING SIZE BASES. | | | Each Loop Represents 3 Feet of Heating Surface. | | Each Loop Represents 3½ Feet of Heating Surface. | | Each Loop Represents 3½ Feet of Heating Surface. | |
|------------------------------------------------------|------|---|-------------------------------------------------|-------------------|--------------------------------------------------|-------------------|--------------------------------------------------|-------------------|
| | | | LIST PRICE. | | LIST PRICE. | | LIST PRICE. | |
| | | | Per Foot, 80c. | Per Loop, \$2.40. | Per Foot, 77½c. | Per Loop, \$2.71. | Per Foot, 75c. | Per Loop, \$2.63. |
| | | | 30 | \$24 00 | 35 | \$27 13 | 35 | \$26 25 |
| 10 | 15" | 5 | 45 | 36 00 | 52½ | 40 69 | 52½ | 39 38 |
| 15 | 17¼" | 6 | 60 | 48 00 | 70 | 54 25 | 70 | 52 50 |
| 20 | 19½" | 7 | | | | | | |

NOTE.—The above Prices are for all Radiators 36" high or under.

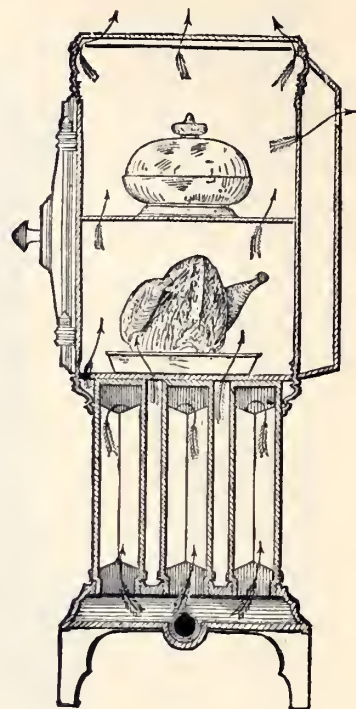
All Regular Goods Tapped 1" X ¾" "Right Hand."

TRADE BUNDY MARK.

Bundy Hot Closet Dining-Room Radiator.



STYLE H. FIG. 10.



CROSS SECTION. FIG. 10 1/4.

FIG. 10 represents the New Design Bundy Hot Closet Radiator, which, in this age of modern improvements in appointments of dwelling houses, becomes a necessity as well as a convenience and a comfort where steam heat is used. The design is new and original. These closets are so constructed as to be directly over all of the heating surface in the Radiator, thus utilizing the heat as it passes up through and around the closet in the best manner, as shown by Fig. 10 1/4.

The dimensions of these closets are as follows: length, 35 inches; width, 14 inches; height, 18 inches; height of Radiator over all, either 36 or 42 inches. These closets have one shelf which can be readily removed or adjusted. The doors are of such size as to admit any dish or cover that the closet can accommodate. The heating surface in these Radiators can be varied from 33 to 70 feet each. Centre of outlet 4 1/2 inches from floor.

FORTY-TWO INCHES HIGH.

THIRTY-SIX INCHES HIGH.

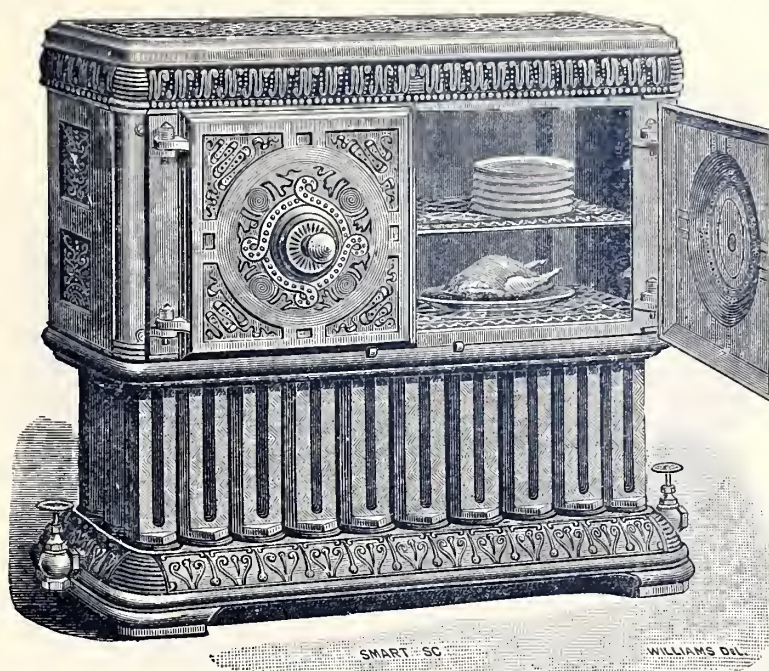
| WITH THE FOLLOWING STYLES OF LOOPS. | | | | | |
|-------------------------------------|---------|--------------------------|----------|--------------------------|---------|
| STANDARD. | | ENLARGED. | | EXTENDED SURFACE. | |
| Feet of Heating Surface. | Price. | Feet of Heating Surface. | Price. | Feet of Heating Surface. | Price. |
| 44 | \$94 00 | 51 1/3 | \$100 00 | 51 1/3 | \$98 50 |
| 46 | 96 00 | 53 2/3 | 102 00 | 53 2/3 | 101 00 |
| 48 | 98 00 | 56 | 104 50 | 56 | 103 00 |
| 50 | 101 00 | 58 1/3 | 107 00 | 58 1/3 | 105 25 |
| 52 | 102 00 | 60 2/3 | 109 00 | 60 2/3 | 107 50 |
| 54 | 104 00 | 63 | 111 00 | 63 | 109 75 |
| 56 | 106 00 | 65 1/3 | 113 50 | 65 1/3 | 112 00 |
| 58 | 108 00 | 67 2/3 | 116 00 | 67 2/3 | 114 75 |
| 60 | 110 00 | 70 | 118 25 | 70 | 116 50 |

| WITH THE FOLLOWING STYLES OF LOOPS. | | | | | |
|-------------------------------------|---------|--------------------------|---------|--------------------------|---------|
| STANDARD. | | ENLARGED. | | EXTENDED SURFACE. | |
| Feet of Heating Surface. | Price. | Feet of Heating Surface. | Price. | Feet of Heating Surface. | Price. |
| 33 | \$91 00 | 38 1/2 | \$97 25 | 38 1/2 | \$90 00 |
| 34 1/2 | 93 00 | 40 1/4 | 99 50 | 40 1/4 | 98 00 |
| 36 | 95 00 | 42 | 101 50 | 42 | 100 00 |
| 37 1/2 | 96 75 | 43 3/4 | 103 50 | 43 3/4 | 102 25 |
| 39 | 98 50 | 45 1/2 | 105 75 | 45 1/2 | 104 25 |
| 40 1/2 | 100 50 | 47 1/4 | 108 00 | 47 1/4 | 106 50 |
| 42 | 102 00 | 49 | 110 25 | 49 | 108 50 |
| 43 1/2 | 104 00 | 50 3/4 | 112 50 | 50 3/4 | 110 50 |
| 45 | 106 00 | 52 1/2 | 114 50 | 52 1/2 | 112 50 |

All Regular Goods Tapped 1" X 3/4" "Right Hand."

TRADE BUNDY MARK.

Bundy Hot Closet Dining-Room Radiator.



STYLE B. FIG. 10½.

FIG. 10½ represents our "New Ideal" Bundy Hot Closet Radiator, with newly designed ornamental Base, corresponding in design with the closet. The Bundy loops with new design can be used in this Radiator with good effect, and will be furnished when so ordered without extra charge.

The dimensions of these closets are as follows: length, 35 inches; width, 14 inches; height, 18 inches; height of Radiator over all, either 36 or 42 inches. These closets have one shelf which can be readily removed or adjusted. The doors are of such size as to admit any dish or cover that the closet can accommodate. The heating surface in these Radiators can be varied from 33 to 70 feet each. Centre of outlet, 4½ inches from floor.

FORTY-TWO INCHES HIGH.

| WITH THE FOLLOWING STYLES OF LOOPS. | | | |
|-------------------------------------|----------|--------------------------|----------|
| STANDARD. | | ENLARGED. | |
| Feet of Heating Surface. | Price. | Feet of Heating Surface. | Price. |
| 44 | \$101 50 | 51½ | \$107 50 |
| 46 | 103 50 | 53½ | 109 50 |
| 48 | 105 50 | 56 | 112 00 |
| 50 | 108 50 | 58½ | 114 50 |
| 52 | 109 50 | 60½ | 116 50 |
| 54 | 111 50 | 63 | 118 50 |
| 56 | 113 50 | 65½ | 121 00 |
| 58 | 115 50 | 67½ | 123 50 |
| 60 | 117 50 | 70 | 125 75 |

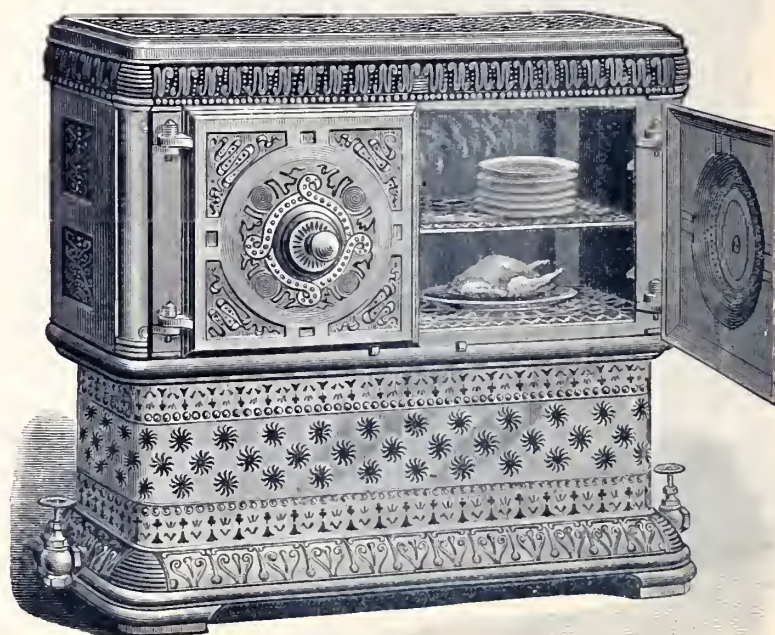
THIRTY-SIX INCHES HIGH.

| WITH THE FOLLOWING STYLES OF LOOPS. | | | |
|-------------------------------------|----------|--------------------------|----------|
| STANDARD. | | ENLARGED. | |
| Feet of Heating Surface. | Price. | Feet of Heating Surface. | Price. |
| 33 | \$ 98 50 | 38½ | \$104 75 |
| 34½ | 100 50 | 40½ | 107 00 |
| 36 | 102 50 | 42 | 109 00 |
| 37½ | 104 25 | 43¾ | 111 00 |
| 39 | 106 00 | 45½ | 113 25 |
| 40½ | 108 00 | 47¼ | 115 50 |
| 42 | 109 50 | 49 | 117 75 |
| 43½ | 111 50 | 50¾ | 120 00 |
| 45 | 113 50 | 52½ | 122 00 |

NOTE.—The above prices include new design base and loops.

TRADE BUNDY MARK.

Bundy Hot Closet Dining-Room Radiator.



EMERY CO.

WILLIAMS DR.

STYLE G. FIG. 1034.

FIG. 1034 represents our Ideal Bundy Hot Closet Radiator, elaborately decorated with antique brass screen and ornaments. This beautiful Radiator is designed to rank first in the appointment of a richly furnished dining room, and is certainly the most elegant thing of the kind ever offered to the public.

The dimensions of these closets are as follows: length, 35 inches; width, 14 inches; height, 18 inches; height of Radiator over all, either 36 or 42 inches. These closets have one shelf that can be readily removed or adjusted. The doors are of such size as to admit any dish or cover that the closet can accommodate. The heating surface in these Radiators can be varied from 33 to 70 feet each. Centre of outlet $4\frac{1}{2}$ inches from floor.

FORTY-TWO INCHES HIGH.

| WITH THE FOLLOWING STYLES OF LOOPS. | | | | | |
|-------------------------------------|----------|--------------------------|----------|--------------------------|----------|
| STANDARD. | | ENLARGED. | | EXTENDED SURFACE. | |
| Feet of Heating Surface. | Price. | Feet of Heating Surface. | Price. | Feet of Heating Surface. | Price. |
| 44 | \$131 00 | 51 $\frac{1}{3}$ | \$137 00 | 51 $\frac{1}{3}$ | \$135 50 |
| 46 | 133 00 | 53 $\frac{2}{3}$ | 139 00 | 53 $\frac{2}{3}$ | 138 00 |
| 48 | 135 00 | 56 | 141 50 | 56 | 140 00 |
| 50 | 138 00 | 58 $\frac{1}{3}$ | 144 00 | 58 $\frac{1}{3}$ | 142 25 |
| 52 | 139 00 | 60 $\frac{2}{3}$ | 146 00 | 60 $\frac{2}{3}$ | 144 50 |
| 54 | 141 00 | 63 | 148 00 | 63 | 146 75 |
| 56 | 143 00 | 65 $\frac{1}{3}$ | 150 50 | 65 $\frac{1}{3}$ | 149 00 |
| 58 | 145 00 | 67 $\frac{2}{3}$ | 153 00 | 67 $\frac{2}{3}$ | 151 75 |
| 60 | 147 00 | 70 | 155 25 | 70 | 153 50 |

THIRTY-SIX INCH HIGH.

| WITH THE FOLLOWING STYLES OF LOOPS. | | | | | |
|-------------------------------------|----------|--------------------------|----------|--------------------------|----------|
| STANDARD. | | ENLARGED. | | EXTENDED SURFACE. | |
| Feet of Heating Surface. | Price. | Feet of Heating Surface. | Price. | Feet of Heating Surface. | Price. |
| 33 | \$128 00 | 38 $\frac{1}{2}$ | \$134 25 | 38 $\frac{1}{2}$ | \$133 00 |
| 34 $\frac{1}{2}$ | 130 00 | 40 $\frac{1}{4}$ | 136 50 | 40 $\frac{1}{4}$ | 135 00 |
| 36 | 132 00 | 42 | 138 50 | 42 | 137 00 |
| 37 $\frac{1}{2}$ | 133 75 | 43 $\frac{3}{4}$ | 140 50 | 43 $\frac{3}{4}$ | 139 25 |
| 39 | 135 50 | 45 $\frac{1}{2}$ | 142 75 | 45 $\frac{1}{2}$ | 141 25 |
| 40 $\frac{1}{2}$ | 137 50 | 47 $\frac{1}{4}$ | 145 00 | 47 $\frac{1}{4}$ | 143 50 |
| 42 | 139 00 | 49 | 147 25 | 49 | 145 50 |
| 43 $\frac{1}{2}$ | 141 00 | 50 $\frac{3}{4}$ | 149 50 | 50 $\frac{3}{4}$ | 147 50 |
| 45 | 143 00 | 52 $\frac{1}{2}$ | 151 50 | 52 $\frac{1}{2}$ | 149 50 |

NOTE.—The above prices include new design base and antique brass screen.

Bundy Horizontal Indirect Radiator.

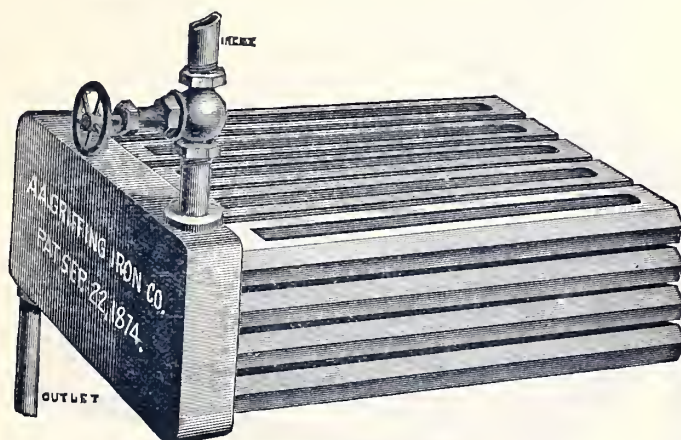


FIG. 12.

FIG. 12 represents a 4x5 Bundy Horizontal Indirect Radiator. These Radiators are adapted to either high or low pressure steam, and are made with the Standard, Enlarged, and Extended surface loop, and occupy less space with the same amount of surface than any other; often a very important point in the economy of space and material used in enclosing the Radiator.

The Old Ladies' Home, 104th Street, and 10th Avenue, New York, Brooklyn Savings Bank, Packer Institute, Brooklyn, are some of the buildings heated with these Radiators.

FOR STANDARD OR ENLARGED LOOPS.

| LIST OF HORIZONTAL INDIRECT RADIATOR. | | | | | STANDARD. | | ENLARGED. | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------------|---------------------|----------------------|--------------------------------------------------|---------|--------------------------------------------------|---------|
| NOTE.—We make the following sizes, but if more or less surface is wanted in each Stack, they can be made any size required. The length can be varied by substituting longer or shorter loops. | | | | | Each Loop Represents 3 Feet of Heating Surface. | | Each Loop Represents 3½ Feet of Heating Surface. | |
| | | | | | LIST PRICE, Per Foot, 67½c. Per Loop, \$2.03. | | LIST PRICE, Per Foot, 65c. Per Loop, \$2.28. | |
| Shape of Radiators. | Number of Loops. | Depth of Radiators. | Width of Radiators. | Length of Radiators. | Feet of Heating Surface. | Price. | Feet of Heating Surface. | Price. |
| 3 X 3 | 9 | 10⅝" | 10⅝" | 33" | 27 | \$18 23 | 31½ | \$20 48 |
| 3 X 4 | 12 | 10⅝" | 13⅞" | 33" | 36 | 24 30 | 42 | 27 30 |
| 4 X 3 | 12 | 14¼" | 10⅝" | 33" | 36 | 24 30 | 42 | 27 30 |
| 4 X 4 | 16 | 14¼" | 13⅞" | 33" | 48 | 32 40 | 56 | 36 40 |
| 4 X 5 | 20 | 14¼" | 17⅞" | 33" | 60 | 40 50 | 70 | 45 50 |
| 4 X 6 | 24 | 14¼" | 20⅜" | 33" | 72 | 48 60 | 84 | 54 60 |
| 4 X 7 | 28 | 14¼" | 23½" | 33" | 84 | 56 70 | 98 | 63 70 |
| 4 X 8 | 32 | 14¼" | 26¾" | 33" | 96 | 64 80 | 112 | 72 80 |
| 4 X 9 | 36 | 14¼" | 30" | 33" | 108 | 72 90 | 126 | 81 90 |
| 4 X 10 | 40 | 14¼" | 33⅞" | 33" | 120 | 81 00 | 140 | 91 00 |
| 5 X 3 | 15 | 17¾" | 10⅝" | 33" | 45 | 30 38 | 52½ | 34 13 |
| 5 X 4 | 20 | 17¾" | 13⅞" | 33" | 60 | 40 50 | 70 | 45 50 |
| 5 X 5 | 25 | 17¾" | 17⅞" | 33" | 75 | 50 63 | 87½ | 56 88 |
| 5 X 6 | 30 | 17¾" | 20⅜" | 33" | 90 | 60 75 | 105 | 68 25 |
| 5 X 7 | 35 | 17¾" | 23½" | 33" | 105 | 70 88 | 122½ | 79 63 |
| 5 X 8 | 40 | 17¾" | 26¾" | 33" | 120 | 81 00 | 140 | 91 00 |
| 5 X 9 | 45 | 17¾" | 30" | 33" | 135 | 91 13 | 157½ | 102 38 |
| 5 X 10 | 50 | 17¾" | 33⅞" | 33" | 150 | 101 25 | 175 | 113 75 |
| 6 X 3 | 18 | 21¼" | 10⅝" | 33" | 54 | 36 45 | 63 | 40 95 |
| 6 X 4 | 24 | 21¼" | 13⅞" | 33" | 72 | 48 60 | 84 | 54 60 |
| 6 X 5 | 30 | 21¼" | 17⅞" | 33" | 90 | 60 75 | 105 | 68 25 |
| 6 X 6 | 36 | 21¼" | 20⅜" | 33" | 108 | 72 90 | 126 | 81 90 |
| 6 X 7 | 42 | 21¼" | 23½" | 33" | 126 | 85 05 | 147 | 95 55 |
| 6 X 8 | 48 | 21¼" | 26¾" | 33" | 144 | 97 20 | 168 | 109 20 |
| 6 X 9 | 54 | 21¼" | 30" | 33" | 162 | 109 35 | 189 | 122 85 |
| 6 X 10 | 60 | 21¼" | 33⅞" | 33" | 180 | 121 50 | 210 | 136 50 |

A. A. GRIFFING IRON CO. BUNDY RADIATORS. JERSEY CITY, N. J.

TRADE BUNDY MARK.

Bundy Horizontal Indirect Extended Surface Radiator.

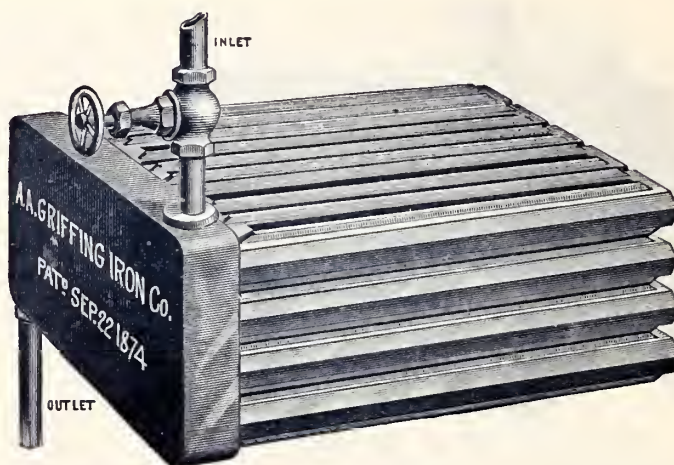


FIG. 12 1/2.

FIG. 12 1/2 represents a 4x5 Bundy Horizontal Indirect Radiator, with extended surface loops, giving 3 1/2 feet of heating surface to the loop, increasing the depth, and amount of heating surface the air has to pass over with the same number of loops.

FOR EXTENDED SURFACE LOOPS.

LIST OF HORIZONTAL INDIRECT RADIATORS.

NOTE.—We make the following sizes, but if more or less surface is required on each stack, they can be made any size required. The length can be varied by substituting longer or shorter loops.

Each Loop Represents 3 1/4 Feet of Heating Surface. LIST PRICE.—Per Foot, 60c. Per Loop, \$2.25.

| Shape of Radiators. | Number of Loops. | Depth of Radiators. | Width of Radiators. | Length of Radiators. | Feet of Heating Surface. | Price. |
|---------------------|------------------|---------------------|---------------------|----------------------|--------------------------|---------|
| 3 X 3 | 9 | 10 5/8" | 10 5/8" | 33" | 33 3/4 | \$20 25 |
| 3 X 4 | 12 | 10 5/8" | 13 7/8" | 33" | 45 | 27 00 |
| 4 X 3 | 12 | 14 1/4" | 10 5/8" | 33" | 45 | 27 00 |
| 4 X 4 | 16 | 14 1/4" | 13 7/8" | 33" | 60 | 36 00 |
| 4 X 5 | 20 | 14 1/4" | 17 1/8" | 33" | 75 | 45 00 |
| 4 X 6 | 24 | 14 1/4" | 20 3/8" | 33" | 90 | 54 00 |
| 4 X 7 | 28 | 14 1/4" | 23 1/2" | 33" | 105 | 63 00 |
| 4 X 8 | 32 | 14 1/4" | 26 3/4" | 33" | 120 | 72 00 |
| 4 X 9 | 36 | 14 1/4" | 30" | 33" | 135 | 81 00 |
| 4 X 10 | 40 | 14 1/4" | 33 1/8" | 33" | 150 | 90 00 |
| 5 X 3 | 15 | 17 3/4" | 10 5/8" | 33" | 56 1/4 | 33 75 |
| 5 X 4 | 20 | 17 3/4" | 13 7/8" | 33" | 75 | 45 00 |
| 5 X 5 | 25 | 17 3/4" | 17 1/8" | 33" | 93 3/4 | 56 25 |
| 5 X 6 | 30 | 17 3/4" | 20 3/8" | 33" | 112 1/2 | 67 50 |
| 5 X 7 | 35 | 17 3/4" | 23 1/2" | 33" | 131 1/4 | 78 75 |
| 5 X 8 | 40 | 17 3/4" | 26 3/4" | 33" | 150 | 90 00 |
| 5 X 9 | 45 | 17 3/4" | 30" | 33" | 168 3/4 | 101 25 |
| 5 X 10 | 50 | 17 3/4" | 33 1/8" | 33" | 187 1/2 | 112 50 |
| 6 X 3 | 18 | 21 3/4" | 10 5/8" | 33" | 67 1/2 | 40 50 |
| 6 X 4 | 24 | 21 3/4" | 13 7/8" | 33" | 90 | 54 00 |
| 6 X 5 | 30 | 21 3/4" | 17 1/8" | 33" | 112 1/2 | 67 50 |
| 6 X 6 | 36 | 21 3/4" | 20 3/8" | 33" | 135 | 81 00 |
| 6 X 7 | 42 | 21 3/4" | 23 1/2" | 33" | 157 1/2 | 94 50 |
| 6 X 8 | 48 | 21 3/4" | 26 3/4" | 33" | 180 | 108 00 |
| 6 X 9 | 54 | 21 3/4" | 30" | 33" | 202 1/2 | 121 50 |
| 6 X 10 | 60 | 21 3/4" | 33 1/8" | 33" | 225 | 135 00 |

All Regular Goods Tapped 1" X 3/4" "Right Hand."

TRADE BUNDY MARK.

Bundy Angle Indirect Radiator.

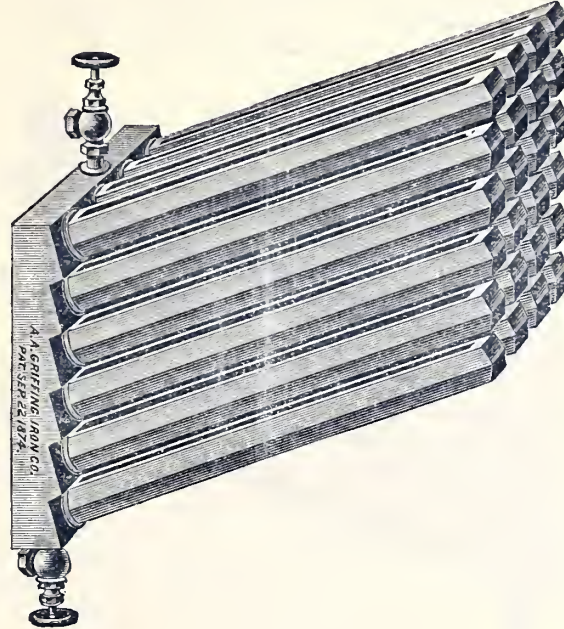


FIG. 13.

FIG. 13 represents a 6x4 Bundy Angle Indirect Radiator, with loops set at an angle of 22 degrees, securing a perfect circulation of steam, and return of condensation. The loops are placed indirectly over each other, evenly dividing up the air passing through the Radiator, and utilizing the heating surface of the loops. These Radiators are adapted to either high or low pressure steam, and are made with either the Standard, Enlarged, or Extended Surface Loops.

These Radiators are in use in the Lehigh University, Pa.; the High School, Lawrenceville, N. J.; at the Hudson River State Asylum, Poughkeepsie, N. Y., and give entire satisfaction.

FOR STANDARD OR ENLARGED LOOPS.

| LIST OF ANGLE INDIRECT RADIATORS. | | | | | STANDARD. | | ENLARGED. | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|--------------------|---------------------|-------------------------------------------------|-------------------|--------------------------------------------------|-------------------|
| NOTE.—We make the following sizes, but if more or less surface is required in each stack they can be made any size. The length can be varied by using longer or shorter loops. | | | | | Each Loop Represents 3 Feet of Heating Surface. | | Each Loop Represents 3½ Feet of Heating Surface. | |
| Shape of Radiators. | Number of Loops. | Depth of Radiator. | Width of Radiator. | Length of Radiator. | LIST PRICE. | | LIST PRICE. | |
| | | | | | Per Foot, 70c. | Per Loop, \$2.10. | Per Foot, 67½c. | Per Loop, \$2.36. |
| | | | | | Feet of Heating Surface. | Price. | Feet of Heating Surface. | Price. |
| 3 X 3 | 9 | 11 5/8" | 10 5/8" | 33" | 27 | \$18 90 | 31 1/2 | \$21 26 |
| 3 X 4 | 12 | 11 5/8" | 13 7/8" | 33" | 36 | 25 20 | 42 | 28 35 |
| 4 X 4 | 16 | 15 3/8" | 13 7/8" | 33" | 48 | 33 60 | 56 | 37 80 |
| 4 X 5 | 20 | 15 3/8" | 17 1/8" | 33" | 60 | 42 00 | 70 | 47 25 |
| 4 X 6 | 24 | 15 3/8" | 20 3/8" | 33" | 72 | 50 40 | 84 | 56 70 |
| 4 X 7 | 28 | 15 3/8" | 23 1/2" | 33" | 84 | 58 80 | 98 | 66 15 |
| 4 X 8 | 32 | 15 3/8" | 26 3/4" | 33" | 96 | 67 20 | 112 | 75 60 |
| 4 X 9 | 36 | 15 3/8" | 30" | 33" | 108 | 75 60 | 126 | 85 05 |
| 4 X 10 | 40 | 15 3/8" | 33 1/8" | 33" | 120 | 84 00 | 140 | 94 50 |
| 5 X 3 | 15 | 19 1/4" | 10 5/8" | 33" | 45 | 31 50 | 52 1/2 | 35 44 |
| 5 X 4 | 20 | 19 1/4" | 13 7/8" | 33" | 60 | 42 00 | 70 | 47 25 |
| 5 X 5 | 25 | 19 1/4" | 17 1/8" | 33" | 75 | 52 50 | 87 1/2 | 59 06 |
| 5 X 6 | 30 | 19 1/4" | 20 3/8" | 33" | 90 | 63 00 | 105 | 70 88 |
| 5 X 7 | 35 | 19 1/4" | 23 1/2" | 33" | 105 | 73 50 | 122 1/2 | 82 69 |
| 5 X 8 | 40 | 19 1/4" | 26 3/4" | 33" | 120 | 84 00 | 140 | 94 50 |
| 5 X 9 | 45 | 19 1/4" | 30" | 33" | 135 | 94 50 | 157 1/2 | 106 31 |
| 5 X 10 | 50 | 19 1/4" | 33 1/8" | 33" | 150 | 105 00 | 175 | 118 12 |
| 6 X 3 | 18 | 23" | 10 5/8" | 33" | 54 | 37 80 | 63 | 42 53 |
| 6 X 4 | 24 | 23" | 13 1/8" | 33" | 72 | 50 40 | 84 | 56 70 |
| 6 X 5 | 30 | 23" | 17 1/8" | 33" | 90 | 63 00 | 105 | 70 88 |
| 6 X 6 | 36 | 23" | 20 3/8" | 33" | 108 | 75 60 | 126 | 85 05 |

All Regular Goods Tapped 1" X 3/4" "Right Hand."

TRADE BUNDY MARK.

Bundy Angle Indirect Extended Surface Radiator.

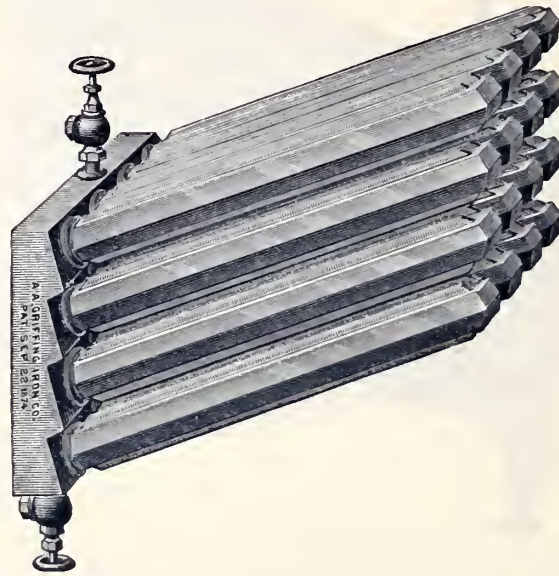


FIG. 13½.

FIG. 13½ represents a 4x4 Bundy Angle Indirect Radiator with Extended Surface Loops.

FOR EXTENDED SURFACE LOOPS.

LIST OF ANGLE INDIRECT RADIATORS.

NOTE.—We make the following sizes, but if more or less surface is required in each stack they can be made any size. The length can be varied by using longer or shorter loops.

Each Loop Represents 3½ Feet of Heating Surface. LIST PRICE.—Per Foot, 62c. Per Loop, \$2.33.

| Shape of Radiator | Number of Loops. | Depth of Radiator. | Width of Radiator. | Length of Radiator. | Feet of Heating Surface | Price. |
|-------------------|------------------|--------------------|--------------------|---------------------|-------------------------|---------|
| 3 X 3 | 9 | 11½" | 10½" | 33" | 33¼ | \$20 93 |
| 3 X 4 | 12 | 11½" | 13¾" | 33" | 45 | 27 90 |
| 4 X 4 | 16 | 15¾" | 13¾" | 33" | 60 | 37 20 |
| 4 X 5 | 20 | 15¾" | 17½" | 33" | 75 | 46 50 |
| 4 X 6 | 24 | 15¾" | 20¾" | 33" | 90 | 55 80 |
| 4 X 7 | 28 | 15¾" | 23½" | 33" | 105 | 65 10 |
| 4 X 8 | 32 | 15¾" | 26¾" | 33" | 120 | 74 40 |
| 4 X 9 | 36 | 15¾" | 30" | 33" | 135 | 83 70 |
| 4 X 10 | 40 | 15¾" | 33½" | 33" | 150 | 93 00 |
| 5 X 3 | 15 | 19¼" | 10½" | 33" | 56¼ | 34 88 |
| 5 X 4 | 20 | 19¼" | 13¾" | 33" | 75 | 46 50 |
| 5 X 5 | 25 | 19¼" | 17½" | 33" | 93¾ | 58 13 |
| 5 X 6 | 30 | 19¼" | 20¾" | 33" | 112½ | 69 75 |
| 5 X 7 | 35 | 19¼" | 23½" | 33" | 131¼ | 81 38 |
| 5 X 8 | 40 | 19¼" | 26¾" | 33" | 150 | 93 00 |
| 5 X 9 | 45 | 19¼" | 30" | 33" | 168¾ | 104 63 |
| 5 X 10 | 50 | 19¼" | 33½" | 33" | 187½ | 116 25 |
| 6 X 3 | 18 | 23" | 10½" | 33" | 67½ | 41 85 |
| 6 X 4 | 24 | 23" | 13¾" | 33" | 90 | 55 80 |
| 6 X 5 | 30 | 23" | 17½" | 33" | 112½ | 69 75 |
| 6 X 6 | 36 | 23" | 20¾" | 33" | 135 | 83 70 |

All Regular Goods Tapped 1" X ¾" "Right Hand."

TRADE BUNDY MARK.

Bundy Angle Indirect Radiator Stack.

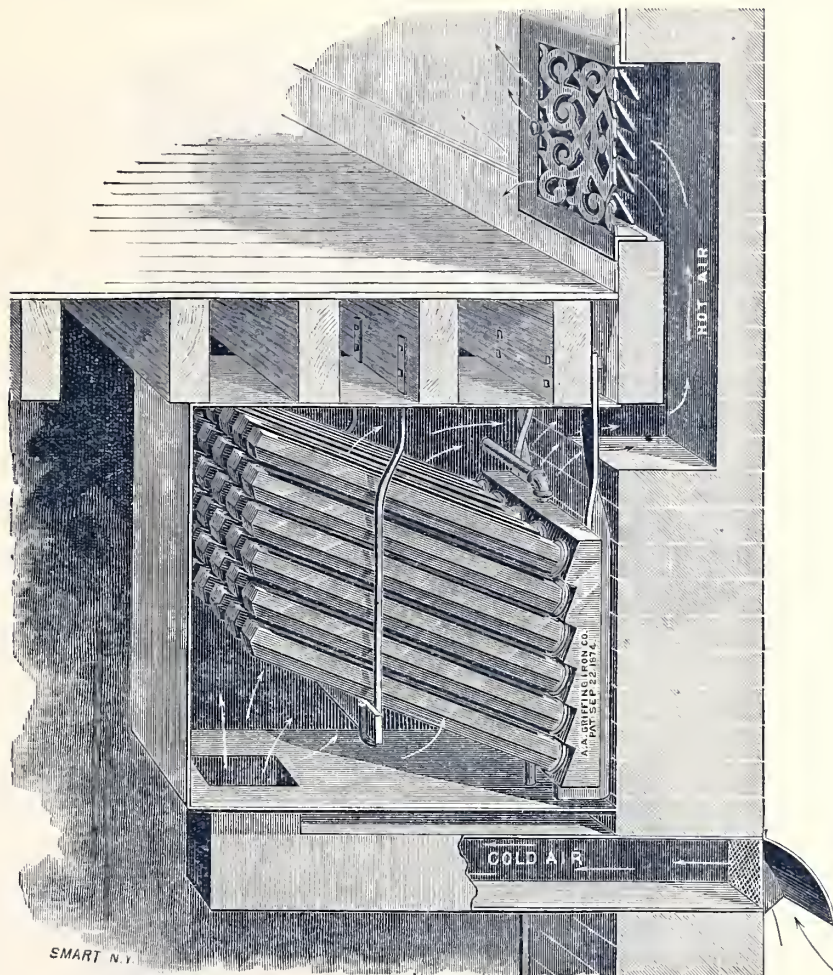


FIG. 14½.

FIG. 14½ represents the Bundy Angle Indirect Radiator with loops set at an angle. This form of Radiator has all of the advantages of a vertical tube Radiator in circulation as the air is easily expelled and the condensation has a free passage to outlet. The air to be warmed in passing through a stack of this kind is more thoroughly broken up and warmed than by any other on account of the double pipes. These Radiators are durable and efficient for high or low pressure steam. They were first used in the Hudson River State Asylum at Poughkeepsie, N. Y., in competition with other kinds of Indirect Radiators, where they gave such perfect satisfaction that they were approved and used in the recent additions to the heating apparatus in 1884-5.

With permission we publish the following testimonial :

HUDSON RIVER STATE ASYLUM, POUGHKEEPSIE, N. Y., February 26, 1883.

This is to certify that the Institution has used the Bundy Indirect Angle Radiators in the centre building for the last four or five years, and they give satisfaction in every way as an indirect heater, and would recommend them to those requiring steam heat for buildings.

WILLIAM C. ATKINSON, *Chief Engineer.*

Bundy Direct Indirect Radiator.

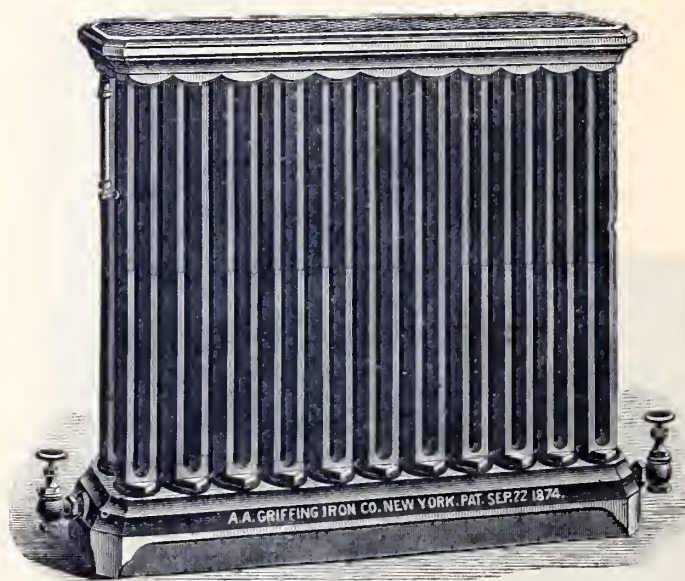


FIG. 24.

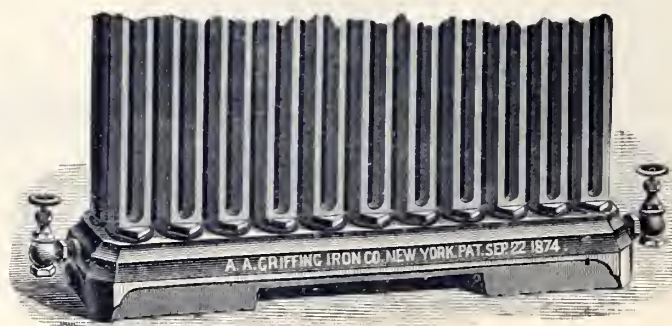


FIG. 25.

FIG. 24 and 25 represent the Bundy Direct Indirect Radiator used extensively in large public buildings where direct heat as well as good ventilation is required. As shown by the cut, the base is made in form of a box fitting closely to floor all around, except an opening in back as shown in Fig. 25, which is fitted to a cold air chute from outside of wall, as shown by Fig. 26. This Radiator as applied to the direct indirect system is meeting with universal favor among Architects and Steam Fitters. Among the many buildings now heated with this Radiator we give as reference: The Standard Oil Company's Building, the United Bank Building, Public Schools, Nos. 17, 31 and 32, of N. Y. City, State Normal School, Albany, N. Y., District School, Mt. Vernon, Ohio.

The price of these Radiators is 25 cents per loop in advance of prices shown on pages 4 to 11.

Cross-Section Bundy Direct Indirect Radiator.

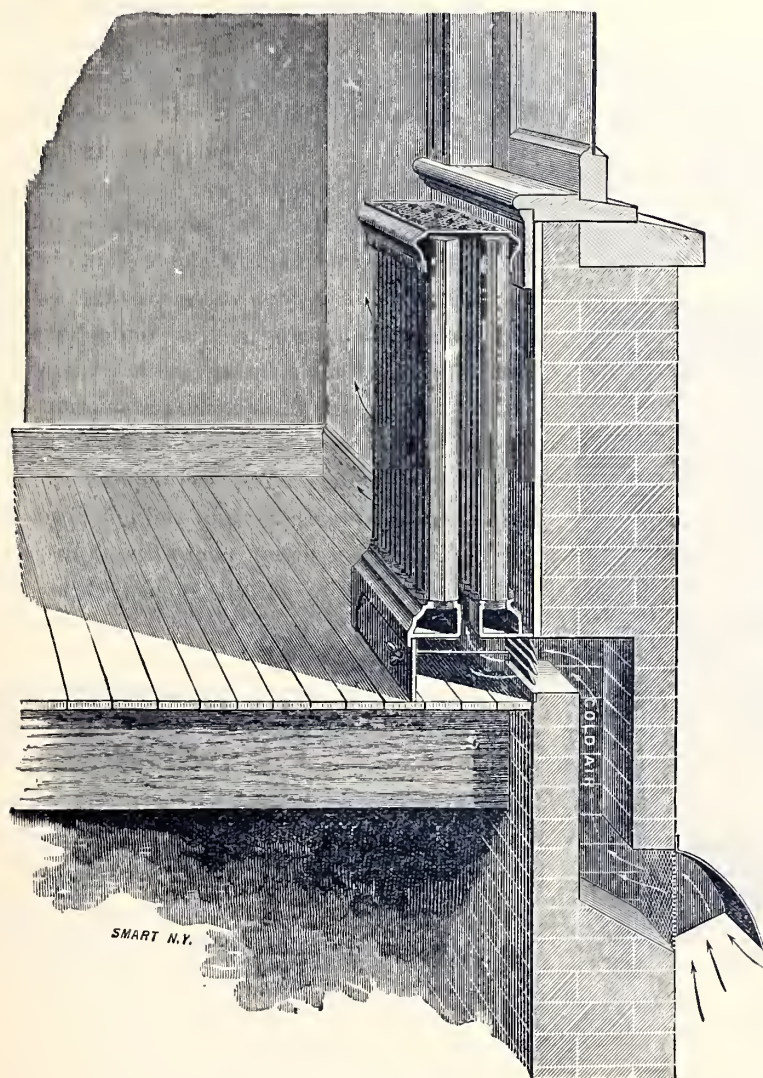


FIG. 26.

This system is economical and efficient and overcomes the difficulty of ventilating rooms where the air has become vitiated and deoxygenized by a large assembly of people, gas lights, and from other causes. By supplying fresh air that is warmed as it passes through Radiators, thus avoiding draughts of cold air that would come from ventilating by open windows.

The Board of Education, of New York City, have recently used this method of ventilating class rooms in the public schools with marked success, thus avoiding the necessity of ventilating by open windows, which ruins the health of children sitting near a draught of cold air. Where no indirect Radiators are used this plan of ventilation is indispensable.

NOTE.—This form of construction in Radiators is covered by Letters Patent, No. 117,675. Any infringement on the rights secured by this Patent will be subject to prompt legal proceedings.

Bundy Climax Steam or Hot Water Indirect Radiator.

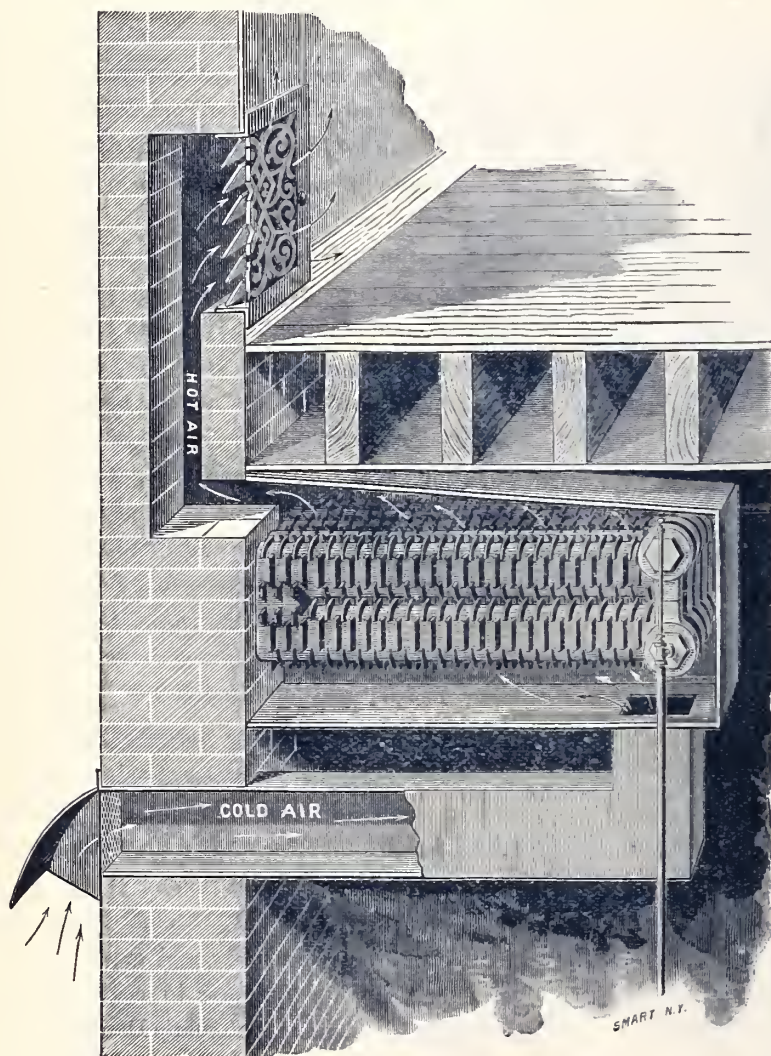


FIG. 27.

FIG. 27 represents our "CLIMAX" Indirect Radiator, for high or low pressure, Steam or Hot Water circulation. The peculiar construction of which is that the inlet is at the top of the Radiator and the outlet at the bottom. The circulation for steam or water is positive and the openings large, being nearly double in area to those of other Indirect Radiators of this class, and are not obstructed by diaphragms, but give a free passage for steam and condensation from inlet to outlet of stack, a great advantage when heating with low pressure or exhaust steam, or in starting circulation on an indirect coil in very cold weather when condensation is very rapid. The sections are connected above and below with 2" right and left nipples, and the peculiar construction allows the sections to be easily connected up, and all connections are on one end of a stack.

Although indirect radiation is not quite as cheap as direct radiation, it is often used to advantage as a part of a direct steam heating apparatus where floor space cannot be spared for direct radiators; and all architects and steam heating engineers recognize the fact that indirect radiation to aid and supply sufficient fresh air for ventilation in an indispensable part of a perfect system of warming buildings by steam or hot water.

SOME IMPORTANT ADVANTAGES:

Free positive circulation and simplicity of construction, all sections being alike. Large openings and no diaphragms to check the flow of condensation. Condensation flows in the same direction with the steam. Connecting joints are all threaded, no packing or bolts being used. Each section is tested with 100 lbs. hydraulic pressure. Can be used for steam or hot water circulation. Occupies small space and can be easily set up. Facility with which the size of a stack can be changed by adding or removing a section, all sections being alike—a reducing nipple being used for feed and return.

TRADE CLIMAX MARK.

Bundy Climax Steam or Hot Water Indirect Radiator.

SECTION.

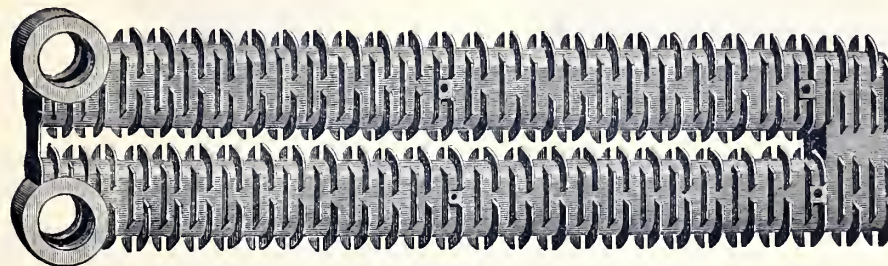


FIG. 28.

Length, 36 inches; height, 11 inches; width, $3\frac{1}{2}$ inches.

Each section contains 13 feet of Radiating Surface.

DATA FOR CLIMAX INDIRECT RADIATORS.

| Sections in Stack. | Heating Surface. | Area Cold Air Supply. | Area Hot Air Flue. | Size for Brick Work Hot Air Flues. | Size Register. | Ratio of 1 to 30. | Ratio of 1 to 35. | Ratio of 1 to 40. |
|--------------------|------------------|-----------------------|--------------------|------------------------------------|----------------|-------------------|-------------------|-------------------|
| | Square feet. | Square inches. | Square inches. | Inches. | Inches. | | | |
| 2 | 26 | 54 | 72 | 8 x 8 | 9 x 12 | 780 | 910 | 1040 |
| 3 | 39 | 72 | 96 | 8 x 12 | 10 x 14 | 1170 | 1365 | 1560 |
| 4 | 52 | 90 | 120 | 8 x 12 | 12 x 15 | 1560 | 1820 | 2080 |
| 5 | 65 | 108 | 144 | 12 x 12 | 12 x 19 | 1950 | 2275 | 2600 |
| 6 | 78 | 126 | 168 | 12 x 12 | 14 x 22 | 2340 | 2730 | 3120 |
| 7 | 91 | 144 | 192 | 12 x 16 | 14 x 24 | 2730 | 3185 | 3640 |
| 8 | 104 | 162 | 226 | 12 x 16 | 16 x 20 | 3120 | 3640 | 4160 |
| 9 | 117 | 180 | 240 | 12 x 20 | 16 x 24 | 3510 | 4095 | 4680 |
| 10 | 130 | 198 | 264 | 12 x 20 | 20 x 20 | 3900 | 4550 | 5200 |
| 11 | 143 | 216 | 288 | 12 x 24 | 20 x 24 | 4290 | 5005 | 5720 |
| 12 | 156 | 234 | 312 | 12 x 24 | 20 x 24 | 4680 | 5460 | 6240 |

PRICES QUOTED ON APPLICATION.

Bundy Climax Steam or Hot Water Indirect Radiator.

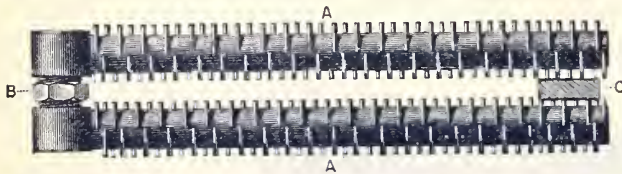


Fig. 27 1/2.



Fig. 27 1/4.

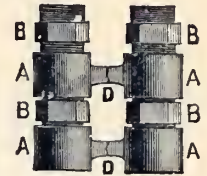


Fig. 27 1/2.

INSTRUCTIONS FOR MAKING INTO STACKS.

In the accompanying cuts, A are Bundy Climax cast iron sections, B are connecting cast iron nipples, C are two hard wood wedges about 1x8 inches in size at their butt ends, and D are thin connecting strips of iron strengthening the sections to insure perfect casting and safe transportation.

Break the strip of iron (D) with a light blow of a hammer, then lay the section on its side and with the fingers start in the two nipples (B) about half a turn, then place the two wedges (C) one upon the other, as shown, and lay the second section so that the two holes tapped in it shall be directly over the nipples. Now adjust wedges (C) so that both ends shall be equidistant from each other. This being accomplished commence to enter nipples into the second section, and as they make together spread the wedges at the opposite end so that all parts of the second section shall advance toward the first at the same speed.

In screwing up the nipples, care should be used that each are turned alternately, and not more than one-half a turn at a time, thus avoiding any possible binding of the joints.

With two sections connected proceed as before with the third and so on until the stack contains the requisite number of sections.

As all sections are exact duplicates, should the stack in use prove too small, it is an easy matter to add to it another section. If, on the other hand, it is too large, a section can readily be removed.

When one stack is desired to heat two or more apartments and is placed at the base of two or more flues for that purpose, one or more pairs of longer nipples are furnished accommodating the division and subdivision of the stack by the insertion of tin partitions as necessary. This simple arrangement carries to a mathematical nicety the proper proportion of heat to each register and is an advantage fully appreciated by the trade, and of vital importance to the consumer. In this way one stack sufficeth for the heating of two, three and sometimes four or more apartments.

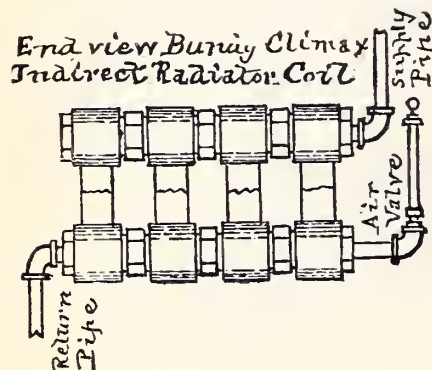


Fig. D.

PROPER LOCATION OF AIR VALVE.

The location of the air valve depends upon the way the pipes lead to and from the radiator. The accompanying cuts will show the usual methods of piping and the proper location of the air valve in each case.

Too much importance cannot be attached to the use of a good, sensitive and durable air valve, and the one shown is of our own manufacture and highly endorsed. A further description of this air valve is found on a later page in this book under the heading of Automatic Air Valves. They are furnished for both Direct and Indirect Radiators.

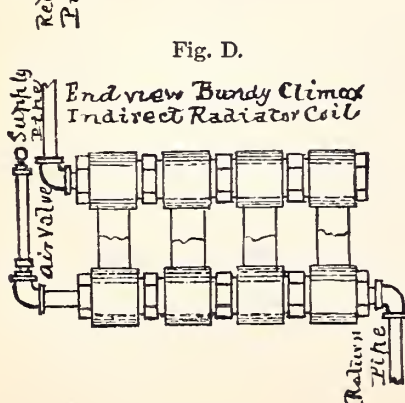


Fig. D.

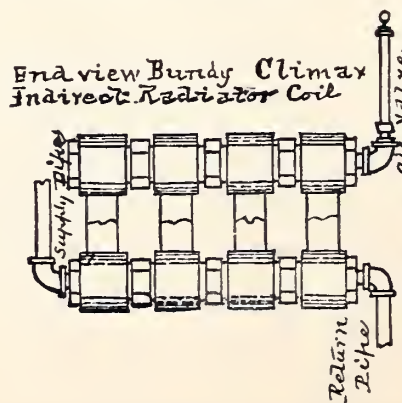


Fig. F.

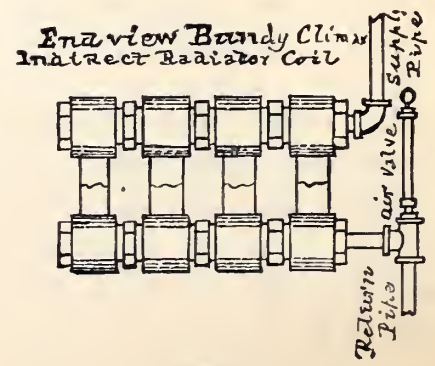


Fig. G.

Some of the Advantages of Hot Water Heating.

FIRST.—Safety from explosion, as the apparatus is open to the atmosphere through the expansion-tank.

SECOND.—The only care it requires is to keep a fire in the heater.

THIRD.—The economy is in the slow firing that is necessary to make the apparatus adequate for all purposes, resulting in a great saving of fuel.

FOURTH.—It is noiseless, and a Radiator can be run to its fullest capacity in a room while others are partly or entirely shut off, without interfering with the working of the apparatus.

FIFTH.—There is no danger from fire, as the Boiler and Radiators are full of water which cannot be heated to a higher temperature than boiling water, and which cannot endanger surrounding wood-work, this, in itself, should reduce your insurance one-half.

SIXTH.—Hot Water Radiators will heat with a low fire, while with steam radiation no heat is given off by the Radiators if steam is not generated. The moment the fire is lighted the heat begins to travel, everything moves along quietly, no noise whatever, the Radiators working up gradually to their maximum temperature, and there will always be more or less heat in the Radiators as long as there is fire enough in the boiler to change the temperature of the water.

SEVENTH.—The heat of steam radiation cannot be controlled as well as that of hot water, as steam gives out about the same amount of heat whatever may be the temperature of the external air, while with hot water, as soon as the fire is lighted, the water begins to circulate and heat is given out, which heat increases until the water reaches the boiling point. The apparatus should be so constructed as to warm the building in the coldest weather, with the temperature of the water at 200 degrees, or even less. In moderate weather the heat can be reduced by partially stopping off the circulation of the Radiators or moderate firing; so by burning more or less fuel the heat can be increased or diminished at pleasure.

EIGHTH.—The "Bundy" combination Steam and Hot Water Radiators can be used for steam heat in the coldest weather, and for hot water in moderate weather, this is true of no other Radiator.

NINTH.—Hot Water heat is considered very healthful for dwellings, and it is well known that in houses where hot-air furnaces were used, house plants would not thrive, but after hot water was introduced the same variety of plants were grown successfully. Quoting from an article by J. Drysdale, M.D., and J. W. Hayward, M. D., of England, published in "The Health and Comfort in House-Building," they say: "As a proof of the healthfulness of Hot Water heat, we may notice that one of us, who has lived four years in a house heated by the Hot Water system, is a general practitioner of medicine, which involves being frequently called out at all hours of the day and night, yet no increased liability to cold or delicacy of any kind has been observed; on the contrary, whereas previously, when living in ordinary houses, he frequently suffered from bronchitis and quinsy, he has never had either disease since living in his present house, and a member of his family, who had previously to spend several winters in a warm climate, is now able to remain at home and go about in the open air all the year round. For prevention of disease we hold such a house to be a most important auxiliary."

TENTH.—One advantage of a Hot Water apparatus is described in the discussion upon the Paper by the late Robert Briggs, M. Inst. C. E., read before The Institution of Civil Engineers, at London, November 28th, 1882, when Mr. T. H. Blakesley said "that the successful result of heating a passage by a Hot Water apparatus, at a low temperature, would create no surprise to those who were familiar with the law which has been quoted by Mr. Anderson. At a low temperature, the proportion of heat given out by radiation was far greater than that given by convection, so that in a passage a good deal of draught was avoided by the walls being heated by radiation. Sufficient attention had not, perhaps, been bestowed upon the difference to which he had referred. At about 73 degrees of difference, the air being at 60 degrees, with an apparatus of cast-iron, the proportion was nearly equal, but below that, the amount given out by radiation was in excess of that given out by convection."

A. A. GRIFFING IRON CO. BUNDY RADIATORS. JERSEY CITY, N. J.

TRADE BUNDY MARK.

One Row Bundy Hot Water Direct Radiator.

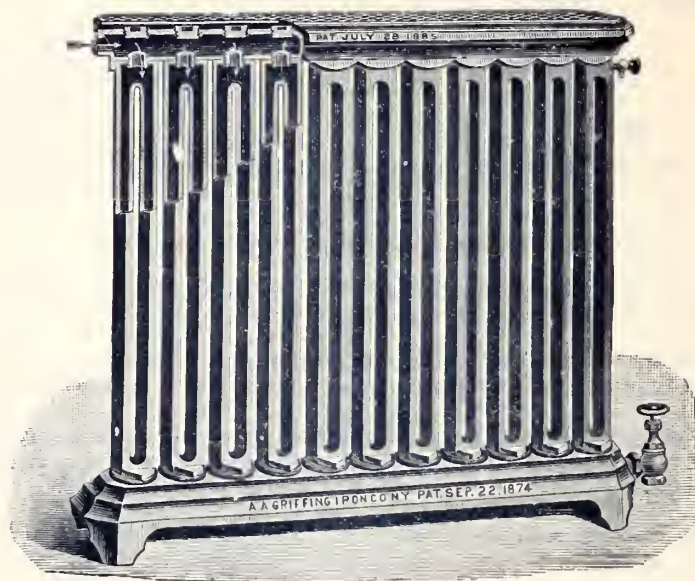


FIG. 35.

FIG. 35 represents the One Row Bundy Hot Water Direct Radiator, constructed from the well-known Bundy Direct Radiator, which in appearance it resembles.

Anyone familiar with hot water circulation will see that the short distance the water has to travel in passing through this Radiator from the supply to the return pipe, the positive circulation, the great quantity of heating surface to a given floor space, neatness of appearance, and its easy adaptation to the different methods of "piping" make it very superior to any horizontal slab or pipe-coil Radiator for hot water heating.

The tapping for supply pipe, shown in Fig. 35, is in the upper circulating chamber, where it can be made if so ordered; but, in the absence of such instructions, all Radiators will be tapped in the base, as per Fig. 36.

FORTY-FIVE INCHES HIGH, ONE ROW OF LOOPS.

| FOR STANDARD, ENLARGED, OR EXTENDED SURFACE LOOPS. | | | | | | | | |
|------------------------------------------------------|------------------|---------------------|-------------------------------------------------|-----------------------------------------|--------------------------------------------------|-----------------------------------------|--------------------------------------------------|-----------------------------------------|
| LIST OF RADIATORS BUILT ON THE FOLLOWING SIZE BASES. | | | STANDARD. | | ENLARGED. | | EXTENDED SURFACE. | |
| Width of Base, 5½ Inches. | | | Each Loop Represents 4 Feet of Heating Surface. | | Each Loop Represents 4¾ Feet of Heating Surface. | | Each Loop Represents 4¾ Feet of Heating Surface. | |
| | | | LIST PRICE, Per Foot, 85c. Per Loop, \$3.40. | | LIST PRICE, Per Foot, 82½c. Per Loop, \$3.92. | | LIST PRICE, Per Foot, 80c. Per Loop, \$3.80. | |
| Shape of Radiators. | Number of Loops. | Length of Radiator. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. |
| 1 X 3 | 3 | 12" | 12 | \$10 20 | 14¼ | \$11 76 | 14¼ | \$11 40 |
| 1 X 4 | 4 | 15¼" | 16 | 13 60 | 19 | 15 68 | 19 | 15 20 |
| 1 X 5 | 5 | 18½" | 20 | 17 00 | 23¾ | 19 60 | 23¾ | 19 00 |
| 1 X 6 | 6 | 21¾" | 24 | 20 40 | 28½ | 23 52 | 28½ | 22 80 |
| 1 X 7 | 7 | 25¼" | 28 | 23 80 | 33¼ | 27 43 | 33¼ | 26 60 |
| 1 X 8 | 8 | 28½" | 32 | 27 20 | 38 | 31 35 | 38 | 30 40 |
| 1 X 9 | 9 | 31½" | 36 | 30 60 | 42¾ | 35 28 | 42¾ | 34 20 |
| 1 X 10 | 10 | 34½" | 40 | 34 00 | 47½ | 39 19 | 47½ | 38 00 |
| 1 X 11 | 11 | 38" | 44 | 37 40 | 52¼ | 43 12 | 52¼ | 41 80 |
| 1 X 12 | 12 | 41¼" | 48 | 40 80 | 57 | 47 03 | 57 | 45 60 |
| 1 X 13 | 13 | 44¾" | 52 | 44 20 | 61¾ | 50 95 | 61¾ | 49 40 |
| 1 X 14 | 14 | 47¾" | 56 | 47 60 | 66½ | 54 87 | 66½ | 53 20 |
| 1 X 15 | 15 | 51" | 60 | 51 00 | 71¼ | 58 79 | 71¼ | 57 00 |
| 1 X 16 | 16 | 54" | 64 | 54 40 | 76 | 62 70 | 76 | 60 80 |
| 1 X 18 | 18 | 60½" | 72 | 61 20 | 85½ | 70 54 | 85½ | 68 40 |
| 1 X 20 | 20 | 66¾" | 80 | 68 00 | 95 | 78 38 | 95 | 76 00 |

NOTE.—The above prices are for all Radiators 45" high, or under to 39" high.

✚ All Regular Goods Tapped 1¼" X 1¼" "Right Hand." ✚

A. A. GREENE IRON CO. BUNDY RADIATORS. JERSEY CITY, N. J.

TRADE BUNDY MARK.

THIRTY-NINE INCHES HIGH, ONE ROW OF LOOPS.

| FOR STANDARD, ENLARGED, OR EXTENDED SURFACE LOOPS. | | | | | | | | |
|--------------------------------------------------------------------------------------|------------------|----------------------|-----------------------------------------------------|-----------------------------------------|-------------------------------------------------|-----------------------------------------|-------------------------------------------------|-----------------------------------------|
| LIST OF RADIATORS BUILT ON THE FOLLOWING SIZE BASES. Width of Base, 5 1/2 inches. | | | STANDARD. | | ENLARGED. | | EXTENDED SURFACE. | |
| | | | Each Loop Represents 3 1/2 Feet of Heating Surface. | | Each Loop Represents 4 Feet of Heating Surface. | | Each Loop Represents 4 Feet of Heating Surface. | |
| Shape of Radiators. | Number of Loops. | Length of Radiators. | LIST PRICE. | | LIST PRICE. | | LIST PRICE. | |
| | | | Per Foot, 90c. | Per Loop, \$3.15. | Per Foot, 87 1/2 c. | Per Loop, \$3.50. | Per Foot, 85c. | Per Loop, \$3.49. |
| | | | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. |
| 1 X 3 | 3 | 12" | 10 1/2 | \$ 9 45 | 12 | \$10 50 | 12 | \$10 20 |
| 1 X 4 | 4 | 15 1/4" | 14 | 12 60 | 16 | 14 00 | 16 | 13 60 |
| 1 X 5 | 5 | 18 1/2" | 17 1/2 | 15 75 | 20 | 17 50 | 20 | 17 00 |
| 1 X 6 | 6 | 21 3/4" | 21 | 18 90 | 24 | 21 00 | 24 | 20 40 |
| 1 X 7 | 7 | 25 1/8" | 24 1/2 | 22 05 | 28 | 24 50 | 28 | 23 80 |
| 1 X 8 | 8 | 28 1/8" | 28 | 25 20 | 32 | 28 00 | 32 | 27 20 |
| 1 X 9 | 9 | 31 1/2" | 31 1/2 | 28 35 | 36 | 31 50 | 36 | 30 60 |
| 1 X 10 | 10 | 34 1/2" | 35 | 31 50 | 40 | 35 00 | 40 | 34 00 |
| 1 X 11 | 11 | 38 1/2" | 38 1/2 | 34 65 | 44 | 38 50 | 44 | 37 40 |
| 1 X 12 | 12 | 41 1/4" | 42 | 37 80 | 48 | 42 00 | 48 | 40 80 |
| 1 X 13 | 13 | 44 3/8" | 45 1/2 | 40 95 | 52 | 45 50 | 52 | 44 20 |
| 1 X 14 | 14 | 47 7/8" | 49 | 44 10 | 56 | 49 00 | 56 | 47 60 |
| 1 X 15 | 15 | 51" | 52 1/2 | 47 25 | 60 | 52 50 | 60 | 51 00 |
| 1 X 16 | 16 | 54" | 56 | 50 40 | 64 | 56 00 | 64 | 54 40 |
| 1 X 18 | 18 | 60 5/8" | 63 | 56 70 | 72 | 63 00 | 72 | 61 20 |
| 1 X 20 | 20 | 66 7/8" | 70 | 63 00 | 80 | 70 00 | 80 | 68 00 |

NOTE.—The above prices are for all Radiators 39" high, or under to 33" high.

THIRTY-THREE INCHES HIGH, ONE ROW OF LOOPS.

| LIST OF RADIATORS BUILT ON THE FOLLOWING SIZE BASES. Width of Base, 5 1/2 inches. | | | Each Loop Represents 3 Feet of Heating Surface. | | Each Loop Represents 3 1/2 Feet of Heating Surface. | | Each Loop Represents 3 1/2 Feet of Heating Surface. | |
|--------------------------------------------------------------------------------------|------------------|----------------------|-------------------------------------------------|-------------------|-----------------------------------------------------|-------------------|-----------------------------------------------------|-------------------|
| | | | LIST PRICE. | | LIST PRICE. | | LIST PRICE. | |
| Shape of Radiators. | Number of Loops. | Length of Radiators. | Per Foot, \$1.00. | Per Loop, \$3.00. | Per Foot, 97 1/2 c. | Per Loop, \$3.41. | Per Foot, 95c. | Per Loop, \$3.33. |
| | | | | | | | | |
| 1 X 3 | 3 | 12" | 9 | \$ 9 00 | 10 1/2 | \$10 24 | 10 1/2 | \$ 9 98 |
| 1 X 4 | 4 | 15 1/4" | 12 | 12 00 | 14 | 13 65 | 14 | 13 30 |
| 1 X 5 | 5 | 18 1/2" | 15 | 15 00 | 17 1/2 | 17 06 | 17 1/2 | 16 63 |
| 1 X 6 | 6 | 21 3/4" | 18 | 18 00 | 21 | 20 48 | 21 | 19 95 |
| 1 X 7 | 7 | 25 1/8" | 21 | 21 00 | 24 1/2 | 23 89 | 24 1/2 | 23 28 |
| 1 X 8 | 8 | 28 1/8" | 24 | 24 00 | 28 | 27 30 | 28 | 26 60 |
| 1 X 9 | 9 | 31 1/2" | 27 | 27 00 | 31 1/2 | 30 71 | 31 1/2 | 29 93 |
| 1 X 10 | 10 | 34 1/2" | 30 | 30 00 | 35 | 34 13 | 35 | 33 25 |
| 1 X 11 | 11 | 38 1/2" | 33 | 33 00 | 38 1/2 | 37 54 | 38 1/2 | 36 57 |
| 1 X 12 | 12 | 41 1/4" | 36 | 36 00 | 42 | 40 95 | 42 | 39 90 |
| 1 X 13 | 13 | 44 3/8" | 39 | 39 00 | 45 1/2 | 44 36 | 45 1/2 | 43 23 |
| 1 X 14 | 14 | 47 7/8" | 42 | 42 00 | 49 | 47 78 | 49 | 46 55 |
| 1 X 15 | 15 | 51" | 45 | 45 00 | 52 1/2 | 51 19 | 52 1/2 | 49 88 |
| 1 X 16 | 16 | 54" | 48 | 48 00 | 56 | 54 60 | 56 | 53 20 |
| 1 X 18 | 18 | 60 5/8" | 54 | 54 00 | 63 | 61 43 | 63 | 59 85 |
| 1 X 20 | 20 | 66 7/8" | 60 | 60 00 | 70 | 68 25 | 70 | 66 50 |

NOTE.—The above prices are for all Radiators 33" high, or under to 27" high.

TWENTY-SEVEN INCHES HIGH, ONE ROW OF LOOPS.

| LIST OF RADIATORS BUILT ON THE FOLLOWING SIZE BASES. Width of Base, 5 1/2 inches. | | | Each Loop Represents 2 1/2 Feet of Heating Surface. | | Each Loop Represents 2 5/8 Feet of Heating Surface. | | Each Loop Represents 2 5/8 Feet of Heating Surface. | |
|--------------------------------------------------------------------------------------|------------------|----------------------|-----------------------------------------------------|------------------|-----------------------------------------------------|-------------------|-----------------------------------------------------|-------------------|
| | | | LIST PRICE. | | LIST PRICE. | | LIST PRICE. | |
| Shape of Radiators. | Number of Loops. | Length of Radiators. | Per Foot, \$1.15. | Per Loop, \$2.88 | Per Foot, \$1.12 1/2. | Per Loop, \$3.19. | Per Foot, \$1.10. | Per Loop, \$3.12. |
| | | | | | | | | |
| 1 X 3 | 3 | 12" | 7 1/2 | \$ 8 63 | 8 1/2 | \$ 9 57 | 8 1/2 | \$ 9 35 |
| 1 X 4 | 4 | 15 1/4" | 10 | 11 50 | 11 1/3 | 12 75 | 11 1/3 | 12 47 |
| 1 X 5 | 5 | 18 1/2" | 12 1/2 | 14 38 | 14 1/6 | 15 94 | 14 1/6 | 15 58 |
| 1 X 6 | 6 | 21 3/4" | 15 | 17 25 | 17 | 19 13 | 17 | 18 70 |
| 1 X 7 | 7 | 25 1/8" | 17 1/2 | 20 13 | 19 5/6 | 22 32 | 19 5/6 | 21 82 |
| 1 X 8 | 8 | 28 1/8" | 20 | 23 00 | 22 2/3 | 25 51 | 22 2/3 | 24 97 |
| 1 X 9 | 9 | 31 1/2" | 22 1/2 | 25 88 | 25 1/2 | 28 69 | 25 1/2 | 28 05 |
| 1 X 10 | 10 | 34 1/2" | 25 | 28 75 | 28 1/3 | 31 88 | 28 1/3 | 31 17 |
| 1 X 11 | 11 | 38 1/2" | 27 1/2 | 31 63 | 31 1/6 | 35 07 | 31 1/6 | 34 29 |
| 1 X 12 | 12 | 41 1/4" | 30 | 34 50 | 34 | 38 25 | 34 | 37 40 |
| 1 X 13 | 13 | 44 3/8" | 32 1/2 | 37 38 | 36 3/6 | 41 44 | 36 3/6 | 40 54 |
| 1 X 14 | 14 | 47 7/8" | 35 | 40 25 | 39 2/3 | 44 63 | 39 2/3 | 43 63 |
| 1 X 15 | 15 | 51" | 37 1/2 | 43 13 | 42 1/2 | 47 82 | 41 1/2 | 45 65 |
| 1 X 16 | 16 | 54" | 40 | 46 00 | 45 1/3 | 51 00 | 45 1/3 | 49 87 |
| 1 X 18 | 18 | 60 5/8" | 45 | 51 75 | 51 | 57 38 | 51 | 56 10 |
| 1 X 20 | 20 | 66 7/8" | 50 | 57 50 | 56 2/3 | 63 75 | 56 2/3 | 62 34 |

NOTE.—The above prices are for all Radiators 27" high, and under.

All Regular Goods Tapped 1 1/4" X 1 1/4" "Right Hand."

All Regular Goods Tapped 1 1/4" X 1 1/4" "Right Hand."

A. A. GRIFFIN & CO. BUNDY RADIATORS. JERSEY CITY, N. J.

TRADE BUNDY MARK.

Two Row Bundy Direct Hot Water Radiator.

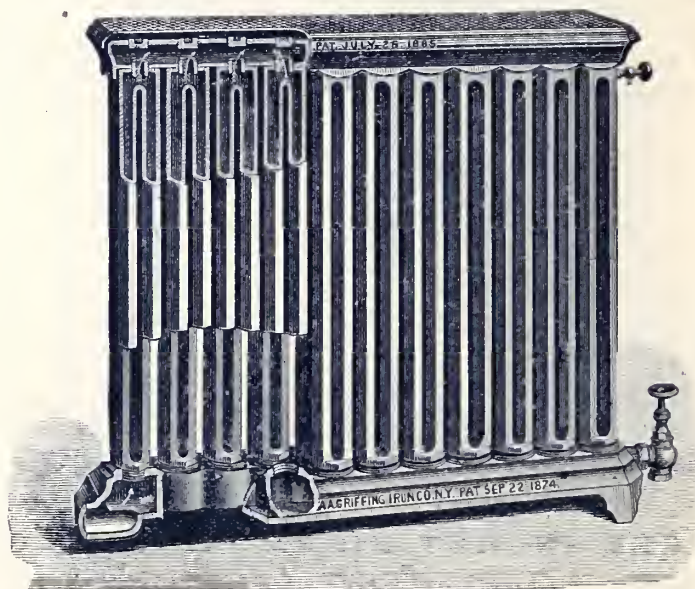


FIG. 36.

FIG. 36 represents the Two Row Bundy Direct Hot Water Radiator, which differs in construction from the One Row in having a longitudinal opening in the base and upper circulating chamber for free passage of air up through the Radiator.

The supply-pipe connection is made the same as with the One Row Radiator.

FORTY-FIVE INCHES HIGH, TWO ROWS OF LOOPS.

| FOR STANDARD, ENLARGED, OR EXTENDED SURFACE LOOPS. | | | | | | | | |
|------------------------------------------------------|------------------|---------------------|-------------------------------------------------|-----------------------------------------|-----------------------------------------------------|-----------------------------------------|-----------------------------------------------------|-----------------------------------------|
| LIST OF RADIATORS BUILT ON THE FOLLOWING SIZE BASES. | | | STANDARD. | | ENLARGED. | | EXTENDED SURFACE. | |
| Width of Base, 9 3/4 inches. | | | Each Loop Represents 4 Feet of Heating Surface. | | Each Loop Represents 4 1/4 Feet of Heating Surface. | | Each Loop Represents 4 3/4 Feet of Heating Surface. | |
| | | | LIST PRICE, Per Foot, 85c. Per Loop, \$3.40. | | LIST PRICE, Per Foot, 82 1/2c. Per Loop, \$3.92. | | LIST PRICE, Per Foot, 80c. Per Loop, \$3.80. | |
| Shape of Radiator. | Number of Loops. | Length of Radiator. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. |
| 2 X 3 | 6 | 12 7/8 | 24 | \$20 40 | 28 1/2 | \$23 52 | 28 1/2 | \$21 80 |
| 2 X 4 | 8 | 15 1/4 | 32 | 27 20 | 38 | 31 36 | 38 | 30 40 |
| 2 X 5 | 10 | 18 1/2 | 40 | 34 00 | 47 1/2 | 39 20 | 47 1/2 | 38 00 |
| 2 X 6 | 12 | 21 3/4 | 48 | 40 80 | 57 | 47 04 | 57 | 45 60 |
| 2 X 7 | 14 | 24 7/8 | 56 | 47 60 | 66 1/2 | 54 86 | 66 1/2 | 53 20 |
| 2 X 8 | 16 | 28 1/8 | 64 | 54 40 | 76 | 62 70 | 76 | 60 80 |
| 2 X 9 | 18 | 31 1/4 | 72 | 61 20 | 85 1/2 | 70 56 | 85 1/2 | 68 40 |
| 2 X 10 | 20 | 34 5/8 | 80 | 68 00 | 95 | 78 38 | 95 | 76 00 |
| 2 X 11 | 22 | 38 3/8 | 88 | 74 80 | 104 1/2 | 86 24 | 104 1/2 | 83 60 |
| 2 X 12 | 24 | 41 1/4 | 96 | 81 60 | 114 | 94 06 | 114 | 91 20 |
| 2 X 13 | 26 | 44 3/8 | 104 | 88 40 | 123 1/2 | 101 90 | 123 1/2 | 98 80 |
| 2 X 14 | 28 | 47 5/8 | 112 | 95 20 | 133 | 109 74 | 133 | 106 40 |
| 2 X 15 | 30 | 50 7/8 | 120 | 102 00 | 142 1/2 | 117 58 | 142 1/2 | 114 00 |
| 2 X 16 | 32 | 54 1/8 | 128 | 108 80 | 152 | 125 40 | 152 | 121 60 |
| 2 X 18 | 36 | 60 3/8 | 144 | 122 40 | 171 | 141 08 | 171 | 136 80 |
| 2 X 20 | 40 | 66 7/8 | 160 | 136 00 | 190 | 156 76 | 190 | 152 00 |

NOTE.—The above prices are for all Radiators 45" high, and under to 39" high.

All Regular Goods Tapped 1 1/4" X 1 1/4" "Right Hand."

A. A. GRIFFING IRON CO. BUNDY RADIATORS. JERSEY CITY, N. J.

TRADE BUNDY MARK

THIRTY-NINE INCHES HIGH, TWO ROWS OF LOOPS.

| FOR STANDARD, ENLARGED, OR EXTENDED SURFACE LOOPS. | | | | | | | | |
|------------------------------------------------------------------------------------------------|------------------|---------------------|---------------------------------------------------------------|-----------------------------------------|-------------------------------------------------|-----------------------------------------|-------------------------------------------------|-----------------------------------------|
| LIST OF RADIATORS BUILT ON THE FOLLOWING SIZE BASES. Width of Base, 9 $\frac{3}{4}$ inches. | | | STANDARD. | | ENLARGED. | | EXTENDED SURFACE. | |
| | | | Each Loop Represents 3 $\frac{1}{2}$ Feet of Heating Surface. | | Each Loop Represents 4 Feet of Heating Surface. | | Each Loop Represents 4 Feet of Heating Surface. | |
| Shape of Radiator. | Number of Loops. | Length of Radiator. | LIST PRICE. | | LIST PRICE. | | LIST PRICE. | |
| | | | Per Foot, 90c. | Per Loop, \$3.15. | Per Foot, 87 $\frac{1}{2}$ c. | Per Loop, \$3.50. | Per Foot, 85c. | Per Loop, \$3.40. |
| | | | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. |
| 2 X 3 | 6 | 12 | 21 | \$18 90 | 24 | \$21 00 | 24 | \$20 40 |
| 2 X 4 | 8 | 15 $\frac{1}{4}$ | 28 | 25 20 | 32 | 28 00 | 32 | 27 20 |
| 2 X 5 | 10 | 18 $\frac{1}{2}$ | 35 | 31 50 | 40 | 35 00 | 40 | 34 00 |
| 2 X 6 | 12 | 21 $\frac{3}{4}$ | 42 | 37 80 | 48 | 42 00 | 48 | 40 80 |
| 2 X 7 | 14 | 24 $\frac{7}{8}$ | 49 | 44 10 | 56 | 49 00 | 56 | 47 60 |
| 2 X 8 | 16 | 28 $\frac{1}{8}$ | 56 | 50 40 | 64 | 56 00 | 64 | 54 40 |
| 2 X 9 | 18 | 31 $\frac{1}{4}$ | 63 | 56 70 | 72 | 63 00 | 72 | 61 20 |
| 2 X 10 | 20 | 34 $\frac{5}{8}$ | 70 | 63 00 | 80 | 70 00 | 80 | 68 00 |
| 2 X 11 | 22 | 38 | 77 | 69 30 | 88 | 77 00 | 88 | 74 80 |
| 2 X 12 | 24 | 41 $\frac{1}{4}$ | 84 | 75 60 | 96 | 84 00 | 96 | 81 60 |
| 2 X 13 | 26 | 44 $\frac{3}{8}$ | 91 | 81 90 | 104 | 91 00 | 104 | 88 40 |
| 2 X 14 | 28 | 47 $\frac{3}{8}$ | 98 | 88 20 | 112 | 98 00 | 112 | 95 20 |
| 2 X 15 | 30 | 50 $\frac{7}{8}$ | 105 | 94 50 | 120 | 105 00 | 120 | 102 00 |
| 2 X 16 | 32 | 54 $\frac{1}{8}$ | 112 | 100 80 | 128 | 112 00 | 128 | 108 80 |
| 2 X 18 | 36 | 60 $\frac{3}{8}$ | 126 | 113 40 | 144 | 126 00 | 144 | 122 40 |
| 2 X 20 | 40 | 66 $\frac{7}{8}$ | 140 | 126 00 | 160 | 140 00 | 160 | 136 00 |

NOTE.—The above prices are for all Radiators 39" high, or under to 33" high.

THIRTY-THREE INCHES HIGH, TWO ROWS OF LOOPS.

| LIST OF RADIATORS BUILT ON THE FOLLOWING SIZE BASES. Width of Base, 9 $\frac{3}{4}$ inches. | | | Each Loop Represents 3 Feet of Heating Surface. | | Each Loop Represents 3 $\frac{1}{2}$ Feet of Heating Surface. | | Each Loop Represents 3 $\frac{1}{2}$ Feet of Heating Surface. | |
|------------------------------------------------------------------------------------------------|------------------|---------------------|-------------------------------------------------|-----------------------------------------|---------------------------------------------------------------|-----------------------------------------|---------------------------------------------------------------|-----------------------------------------|
| | | | LIST PRICE. | | LIST PRICE. | | LIST PRICE. | |
| Shape of Radiator. | Number of Loops. | Length of Radiator. | Per Foot, \$1.00. | Per Loop, \$3.00. | Per Foot, 97 $\frac{1}{2}$ c. | Per Loop, \$3.41. | Per Foot, 95c. | Per Loop, \$3.33. |
| | | | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. |
| 2 X 3 | 6 | 12 | 18 | \$18 00 | 21 | \$20 48 | 21 | \$19 95 |
| 2 X 4 | 8 | 15 $\frac{1}{4}$ | 24 | 24 00 | 28 | 27 30 | 28 | 26 60 |
| 2 X 5 | 10 | 18 $\frac{1}{2}$ | 30 | 30 00 | 35 | 34 12 | 35 | 33 26 |
| 2 X 6 | 12 | 21 $\frac{3}{4}$ | 36 | 36 00 | 42 | 40 96 | 42 | 39 90 |
| 2 X 7 | 14 | 24 $\frac{7}{8}$ | 42 | 42 00 | 49 | 47 78 | 49 | 46 56 |
| 2 X 8 | 16 | 28 $\frac{1}{8}$ | 48 | 48 00 | 56 | 54 60 | 56 | 53 20 |
| 2 X 9 | 18 | 31 $\frac{1}{4}$ | 54 | 54 00 | 63 | 61 42 | 63 | 59 86 |
| 2 X 10 | 20 | 34 $\frac{5}{8}$ | 60 | 60 00 | 70 | 68 26 | 70 | 66 50 |
| 2 X 11 | 22 | 38 | 66 | 66 00 | 77 | 75 08 | 77 | 73 14 |
| 2 X 12 | 24 | 41 $\frac{1}{4}$ | 72 | 72 00 | 84 | 81 90 | 84 | 79 80 |
| 2 X 13 | 26 | 44 $\frac{3}{8}$ | 78 | 78 00 | 91 | 88 72 | 91 | 86 46 |
| 2 X 14 | 28 | 47 $\frac{3}{8}$ | 84 | 84 00 | 98 | 95 56 | 98 | 93 10 |
| 2 X 15 | 30 | 50 $\frac{7}{8}$ | 90 | 90 00 | 105 | 102 38 | 105 | 99 76 |
| 2 X 16 | 32 | 54 $\frac{1}{8}$ | 96 | 96 00 | 112 | 109 20 | 112 | 106 40 |
| 2 X 18 | 36 | 60 $\frac{3}{8}$ | 108 | 108 00 | 126 | 132 86 | 126 | 119 70 |
| 2 X 20 | 40 | 66 $\frac{7}{8}$ | 120 | 120 00 | 140 | 136 50 | 140 | 133 00 |

NOTE.—The above prices are for all Radiators 33" high, or under to 27" high.

TWENTY-SEVEN INCHES HIGH, TWO ROWS OF LOOPS.

| LIST OF RADIATORS BUILT ON THE FOLLOWING SIZE BASES. Width of Base, 9 $\frac{3}{4}$ inches. | | | Each Loop Represents 2 $\frac{1}{2}$ Feet of Heating Surface. | | Each Loop Represents 2 $\frac{1}{2}$ Feet of Heating Surface. | | Each Loop Represents 2 $\frac{1}{2}$ Feet of Heating Surface. | |
|------------------------------------------------------------------------------------------------|------------------|---------------------|---------------------------------------------------------------|-----------------------------------------|---------------------------------------------------------------|-----------------------------------------|---------------------------------------------------------------|-----------------------------------------|
| | | | LIST PRICE. | | LIST PRICE. | | LIST PRICE. | |
| Shape of Radiator. | Number of Loops. | Length of Radiator. | Per Foot, \$1.15. | Per Loop, \$2.88. | Per Foot, \$1.12 $\frac{1}{2}$. | Per Loop, \$3.19. | Per Foot, \$1.10. | Per Loop, \$3.12. |
| | | | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. |
| 2 X 3 | 6 | 12 | 15 | \$17 26 | 17 | \$19 14 | 17 | \$18 70 |
| 2 X 4 | 8 | 15 $\frac{1}{4}$ | 20 | 23 00 | 22 $\frac{2}{3}$ | 25 50 | 22 $\frac{2}{3}$ | 24 94 |
| 2 X 5 | 10 | 18 $\frac{1}{2}$ | 25 | 28 76 | 28 $\frac{1}{3}$ | 31 88 | 28 $\frac{1}{3}$ | 31 16 |
| 2 X 6 | 12 | 21 $\frac{3}{4}$ | 30 | 34 50 | 34 | 38 26 | 34 | 37 40 |
| 2 X 7 | 14 | 24 $\frac{7}{8}$ | 35 | 40 26 | 39 $\frac{2}{3}$ | 44 64 | 39 $\frac{2}{3}$ | 43 64 |
| 2 X 8 | 16 | 28 $\frac{1}{8}$ | 40 | 46 00 | 45 $\frac{1}{3}$ | 51 02 | 45 $\frac{1}{3}$ | 49 94 |
| 2 X 9 | 18 | 31 $\frac{1}{4}$ | 45 | 51 76 | 51 | 57 38 | 51 | 56 10 |
| 2 X 10 | 20 | 34 $\frac{5}{8}$ | 50 | 57 50 | 56 $\frac{2}{3}$ | 63 76 | 56 $\frac{2}{3}$ | 62 34 |
| 2 X 11 | 22 | 38 | 55 | 63 26 | 62 $\frac{1}{3}$ | 70 14 | 62 $\frac{1}{3}$ | 68 58 |
| 2 X 12 | 24 | 41 $\frac{1}{4}$ | 60 | 69 00 | 68 | 76 50 | 68 | 74 80 |
| 2 X 13 | 26 | 44 $\frac{3}{8}$ | 65 | 74 76 | 73 $\frac{2}{3}$ | 82 88 | 73 $\frac{2}{3}$ | 81 08 |
| 2 X 14 | 28 | 47 $\frac{3}{8}$ | 70 | 80 50 | 79 $\frac{1}{3}$ | 89 26 | 79 $\frac{1}{3}$ | 87 26 |
| 2 X 15 | 30 | 50 $\frac{7}{8}$ | 75 | 86 26 | 85 | 95 64 | 85 | 91 30 |
| 2 X 16 | 32 | 54 $\frac{1}{8}$ | 80 | 92 00 | 90 $\frac{2}{3}$ | 102 00 | 90 $\frac{2}{3}$ | 99 74 |
| 2 X 18 | 36 | 60 $\frac{3}{8}$ | 90 | 103 50 | 102 | 114 76 | 102 | 112 20 |
| 2 X 20 | 40 | 66 $\frac{7}{8}$ | 100 | 115 00 | 113 $\frac{1}{3}$ | 127 50 | 113 $\frac{1}{3}$ | 124 67 |

NOTE.—The above prices are for all Radiators 27" high, and under.

All Regular Goods Tapped 1 $\frac{1}{4}$ " X 1 $\frac{1}{4}$ " "Right Hand."

All Regular Goods Tapped 1 $\frac{1}{4}$ " X 1 $\frac{1}{4}$ " "Right Hand."

TRADE BUNDY MARK.

Bundy Direct Hot Water Circular Radiator.

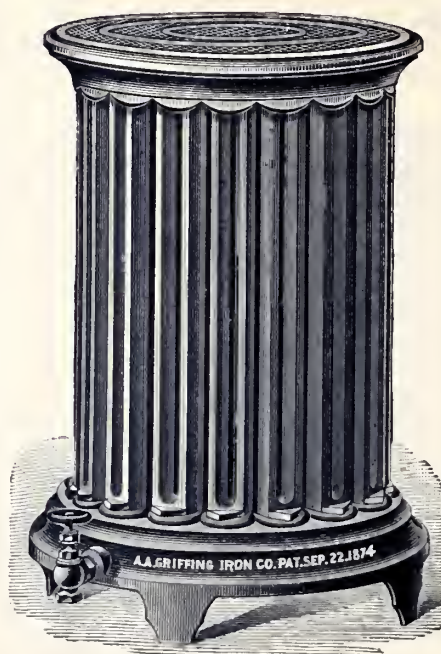


FIG. 37.

FIG. 37 represents the Bundy Direct Hot Water Circular Radiator. These Radiators are the only Circular Hot Water Radiators on the market, and have been found to work perfectly.

FORTY-FIVE INCHES HIGH.

| FOR STANDARD, ENLARGED, OR EXTENDED SURFACE LOOPS. | | | | | | | |
|------------------------------------------------------|---------------------------|-------------------------------------------------|-----------------------------------------|-----------------------------------------------------|-----------------------------------------|-----------------------------------------------------|-----------------------------------------|
| LIST OF RADIATORS BUILT ON THE FOLLOWING SIZE BASES. | | STANDARD. | | ENLARGED. | | EXTENDED SURFACE. | |
| | | Each Loop Represents 4 Feet of Heating Surface. | | Each Loop Represents 4 1/4 Feet of Heating Surface. | | Each Loop Represents 4 1/2 Feet of Heating Surface. | |
| | | LIST PRICE, Per Foot, 95c. Per Loop, \$3.80. | | LIST PRICE, Per Foot, 92 1/2 c. Per Loop, \$4.39. | | LIST PRICE, Per Foot, 90c. Per Loop, \$4.28. | |
| Number of Loops. | Outside Diameter of Base. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. |
| 10 | 17 1/4" | 40 | \$38 00 | 47 1/2 | \$43 94 | 47 1/2 | \$42 75 |
| 15 | 18 1/2" | 60 | 57 00 | 71 1/4 | 65 91 | 71 1/4 | 64 13 |
| 20 | 21 1/2" | 80 | 76 00 | 95 | 87 88 | 95 | 85 50 |
| 26 | 22 1/2" | 104 | 98 80 | 123 1/2 | 114 24 | 123 1/2 | 111 15 |
| 34 | 26 1/2" | 136 | 129 20 | 161 1/2 | 149 39 | 161 1/2 | 145 35 |
| 50 | 31 1/2" | 200 | 190 00 | 237 1/2 | 219 69 | 237 1/2 | 213 75 |
| 72 | 36" | ... | | 342 | 316 35 | 342 | 307 80 |
| 74 | 36" | 296 | 281 20 | ... | | ... | |

NOTE.—The above prices are for all Radiators 45" high, or under to 39" high.

THIRTY-NINE INCHES HIGH.

| LIST OF RADIATORS BUILT ON THE FOLLOWING SIZE BASES. | | Each Loop Represents 3 1/2 Feet of Heating Surface. | | Each Loop Represents 4 Feet of Heating Surface. | | Each Loop Represents 4 Feet of Heating Surface. | |
|------------------------------------------------------|---------|-----------------------------------------------------|-----------------------------------------|---------------------------------------------------|-----------------------------------------|-------------------------------------------------|-----------------------------------------|
| | | LIST PRICE, Per Foot, \$1.00. Per Loop, \$3.50. | | LIST PRICE, Per Foot, 97 1/2 c. Per Loop, \$3.90. | | LIST PRICE, Per Foot, 95c. Per Loop, \$3.80. | |
| | | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. |
| 10 | 17 1/4" | 35 | \$35 00 | 40 | \$39 00 | 40 | \$38 00 |
| 15 | 18 1/2" | 52 1/2 | 52 50 | 60 | 58 50 | 60 | 57 00 |
| 20 | 21 1/2" | 70 | 70 00 | 80 | 78 00 | 80 | 76 00 |
| 26 | 22 1/2" | 91 | 91 00 | 104 | 101 40 | 104 | 98 80 |
| 34 | 26 1/2" | 119 | 119 00 | 136 | 132 60 | 136 | 129 20 |
| 50 | 31 1/2" | 175 | 175 00 | 200 | 195 00 | 200 | 190 00 |
| 72 | 36" | ... | | 288 | 280 80 | 288 | 273 60 |
| 74 | 36" | 259 | 259 00 | ... | | ... | |

NOTE.—The above prices are for all Radiators 39" high and under.

⚙ All Regular Goods Tapped 1 1/4" x 1 1/4" "Right Hand." ⚙

TRADE BUNDY MARK.

Bundy Direct Hot Water Corner Radiator.

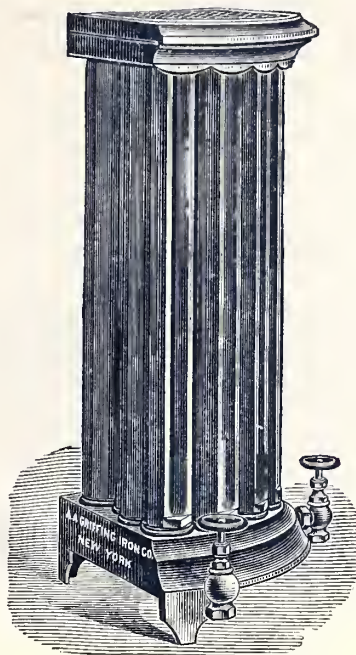


FIG. 38.

Fig. 38 represents the Bundy Direct Hot Water Corner Radiator, which works perfectly with hot water circulation.

FORTY-FIVE INCHES HIGH.

| FOR STANDARD, ENLARGED, OR EXTENDED SURFACE LOOPS. | | | | | | | | |
|------------------------------------------------------|-------------------|-------------------------------|-------------------------------------------------|-----------------------------------------|--------------------------------------------------|-----------------------------------------|--------------------------------------------------|-----------------------------------------|
| LIST OF RADIATORS BUILT ON THE FOLLOWING SIZE BASES. | | | STANDARD. | | ENLARGED. | | EXTENDED SURFACE. | |
| | | | Each Loop Represents 4 Feet of Heating Surface. | | Each Loop Represents 4½ Feet of Heating Surface. | | Each Loop Represents 4½ Feet of Heating Surface. | |
| | | | LIST PRICE. | | LIST PRICE. | | LIST PRICE. | |
| | | | Per Foot, 95c. Per Loop, \$3.80. | | Per Foot, 92½c. Per Loop, \$4.39. | | Per Foot, 90c. Per Loop, \$4.28. | |
| Number of Loops. | Radius of Circle. | Number of Loops in Front Row. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. | Feet of Heating Surface. | With Iron Top or Binder for Marble Top. |
| 10 | 15" | 5 | 40 | \$38 00 | 47½ | \$43 94 | 47½ | \$42 75 |
| 15 | 17¼" | 6 | 60 | 57 00 | 71¼ | 65 91 | 71¼ | 64 13 |
| 20 | 19½" | 7 | 80 | 76 00 | 95 | 87 88 | 95 | 85 50 |

NOTE.—The above prices are for all Radiators 45" high, or under to 39" high.

THIRTY-NINE INCHES HIGH.

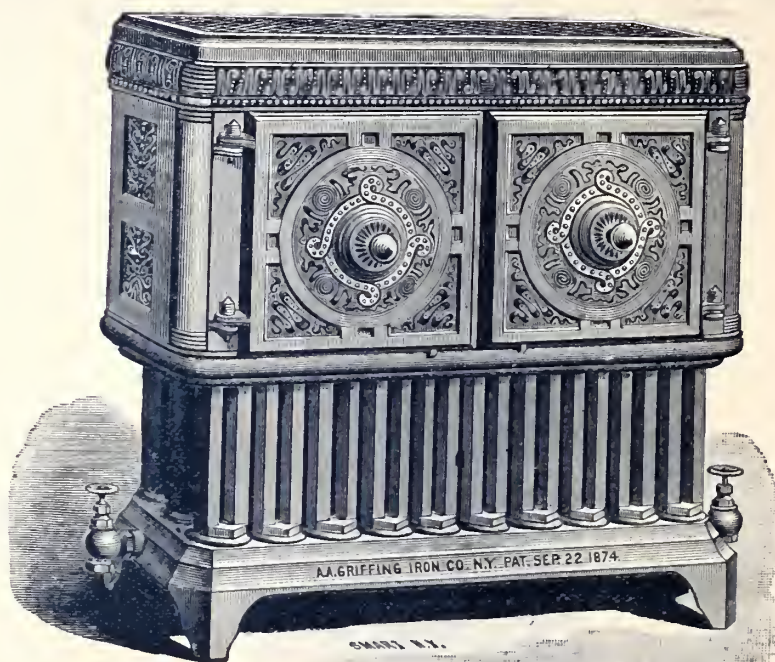
| LIST OF RADIATORS BUILT ON THE FOLLOWING SIZE BASES. | | | Each Loop Represents 3½ Feet of Heating Surface. | | Each Loop Represents 4 Feet of Heating Surface. | | Each Loop Represents 4 Feet of Heating Surface. | |
|------------------------------------------------------|------|---|--------------------------------------------------|---------|-------------------------------------------------|---------|-------------------------------------------------|---------|
| | | | LIST PRICE. | | LIST PRICE. | | LIST PRICE. | |
| | | | Per Foot, \$1.00. Per Loop, \$3.50. | | Per Foot, 97½c. Per Loop, \$3.90. | | Per Foot, 95c. Per Loop, \$3.80. | |
| 10 | 15" | 5 | 35 | \$35 00 | 40 | \$39 00 | 40 | \$38 00 |
| 15 | 17¼" | 6 | 52½ | 52 50 | 60 | 58 50 | 60 | 57 00 |
| 20 | 19½" | 7 | 70 | 70 00 | 80 | 78 00 | 80 | 76 00 |

NOTE.—The above prices are for all Radiators 39" high and under.

All Regular Goods Tapped 1¼" × 1¼" "Right Hand."

TRADE BUNDY MARK.

Bundy Hot Water Hot Closet Dining-Room Radiator.



Style D. Fig. 49.

Fig. 49 represents the New Design Bundy Hot Water Hot Closet Radiator. In heating by hot water lower temperatures are maintained and the entire warmth of the radiator is needed in the hot closet to secure the advantages sought for. These closets set directly over the entire radiator, thus securing the desired temperature, and in no other Dining Room Radiator can food be maintained at so high a degree of heat.

The dimensions of these closets are as follows:—Length, 35 inches; width, 14 inches; height, 18 inches; height of Radiator over all, 41 inches. These closets are the same as are used with our steam Radiators and have one shelf which can be readily removed or adjusted. The heating surface can be varied from 52 to 70 feet each, and the centre of outlet is $4\frac{1}{2}$ inches from floor. The feed pipe can, however, enter the upper circulating chamber of the Radiator, so they can be successfully placed on the same level as the heater or even lower.

FORTY-ONE INCHES HIGH.

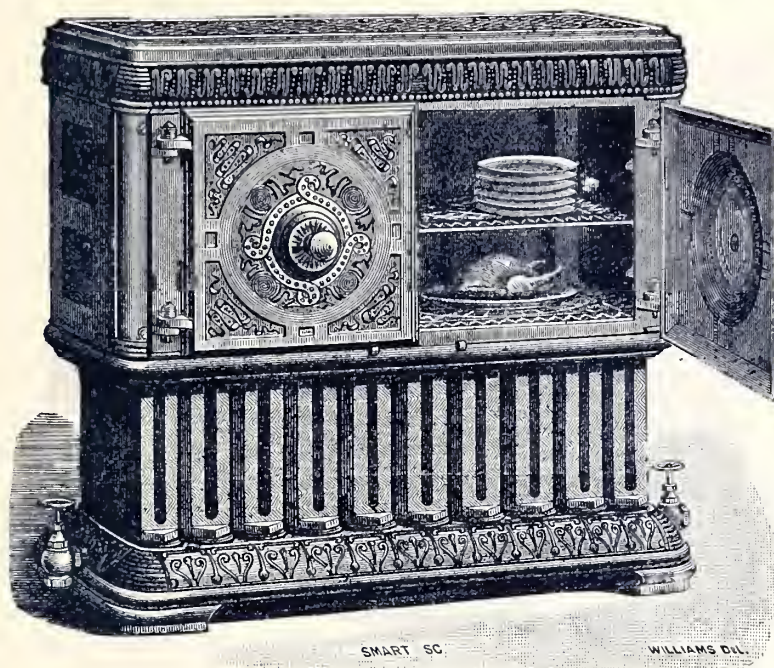
WITH THE FOLLOWING STYLES OF LOOPS.

| STANDARD. | | ENLARGED. | |
|--------------------------|----------|--------------------------|----------|
| Feet of Heating Surface. | Price. | Feet of Heating Surface. | Price. |
| 52 | \$132 25 | 59 $\frac{1}{4}$ | \$139 25 |
| 53 | 134 00 | 60 $\frac{1}{2}$ | 141 00 |
| 54 | 135 50 | 62 | 143 00 |
| 55 | 137 25 | 63 $\frac{1}{4}$ | 145 00 |
| 56 | 139 00 | 64 $\frac{1}{2}$ | 147 00 |
| 57 | 140 50 | 66 | 149 00 |
| 58 | 142 00 | 67 $\frac{1}{4}$ | 150 75 |
| 59 | 143 75 | 68 $\frac{1}{2}$ | 152 75 |
| 60 | 145 50 | 70 | 154 75 |

All Regular Goods Tapped $1\frac{1}{4}$ " \times $1\frac{1}{4}$ " "Right Hand."

TRADE BUNDY MARK.

Bundy Hot Water Hot Closet Dining-Room Radiator.



Style E. Fig. 50.

Fig. 50 represents our "New Ideal" Bundy Hot Water Hot Closet Radiator. The ornamental base is in perfect keeping with the design of the closet, and the general appearance of this Radiator, taken as a whole, is beyond comparison.

The dimensions of these closets are as follows:—Length, 35 inches; width, 14 inches; height, 18 inches; height of Radiator over all, 41 inches. These closets are the same as are used with our steam Radiators and are therefore interchangeable. They have one shelf which can readily be removed or adjusted. The heating surface can be varied from 52 to 70 feet each, and the centre of outlet is $4\frac{1}{2}$ inches from the floor. The feed pipe can, however, enter the upper circulating chamber of the radiator so they can be successfully placed on the same level as the heater or even lower. This is the only radiator manufactured which can be used in this way.

FORTY-ONE INCHES HIGH.

| WITH THE FOLLOWING STYLES OF LOOPS. | | | |
|-------------------------------------|----------|--------------------------|----------|
| STANDARD. | | ENLARGED. | |
| Feet of Heating Surface. | Price. | Feet of Heating Surface. | Price. |
| 52 | \$139 75 | 59 $\frac{1}{2}$ | \$146 75 |
| 53 | 141 50 | 60 $\frac{1}{2}$ | 148 50 |
| 54 | 143 00 | 62 | 150 50 |
| 55 | 144 75 | 63 $\frac{1}{2}$ | 152 50 |
| 56 | 146 50 | 64 $\frac{1}{2}$ | 154 50 |
| 57 | 148 00 | 66 | 156 50 |
| 58 | 149 50 | 67 $\frac{1}{2}$ | 158 25 |
| 59 | 151 25 | 68 $\frac{1}{2}$ | 160 25 |
| 60 | 153 00 | 70 | 162 25 |

All Regular Goods Tapped $1\frac{1}{4}$ " \times $1\frac{1}{4}$ " "Right Hand."

TRADE BUNDY MARK.

Bundy Hot Water Hot Closet Dining-Room Radiator.



Style F. Fig. 51.

Fig. 51 represents our Ideal Bundy Hot Water Hot Closet Radiator, elaborately decorated with antique brass screen and ornaments. This beautiful Radiator is appropriately placed in the most richly furnished dining room, and is certainly the most elegant thing of the kind ever offered to the public.

The dimensions of these closets are as follows:—Length, 35 inches; width, 14 inches; height, 18 inches; height of Radiator over all, 41 inches. The hot closet is the same as is used with our steam Radiator and is therefore interchangeable. Each closet has one shelf which is easily removed or adjusted. The doors are of such size as to accommodate the widest dish or platter. The feed pipe can enter the upper circulating chamber of the Radiator so they can be successfully placed on the same level as the heater or even lower.

The heating surface can be varied from 52 to 70 feet each, and the centre of outlet is $4\frac{1}{2}$ inches from floor.

FORTY-ONE INCHES HIGH.

WITH THE FOLLOWING STYLES OF LOOPS.

| STANDARD. | | ENLARGED. | |
|--------------------------|----------|--------------------------|----------|
| Feet of Heating Surface. | Price. | Feet of Heating Surface. | Price. |
| 52 | \$168 25 | 59 $\frac{1}{4}$ | \$176 25 |
| 53 | 171 00 | 60 $\frac{1}{2}$ | 178 00 |
| 54 | 172 50 | 62 | 180 00 |
| 55 | 174 25 | 63 $\frac{1}{4}$ | 182 00 |
| 56 | 176 00 | 64 $\frac{1}{2}$ | 184 00 |
| 57 | 177 50 | 66 | 186 00 |
| 58 | 179 00 | 67 $\frac{1}{4}$ | 187 75 |
| 59 | 181 75 | 68 $\frac{1}{2}$ | 189 75 |
| 60 | 182 50 | 70 | 191 75 |

All Regular Goods Tapped $1\frac{1}{4}$ " \times $1\frac{1}{4}$ " "Right Hand."

TRADE BUNDY MARK.

Measurements of the Bundy Direct Radiator.

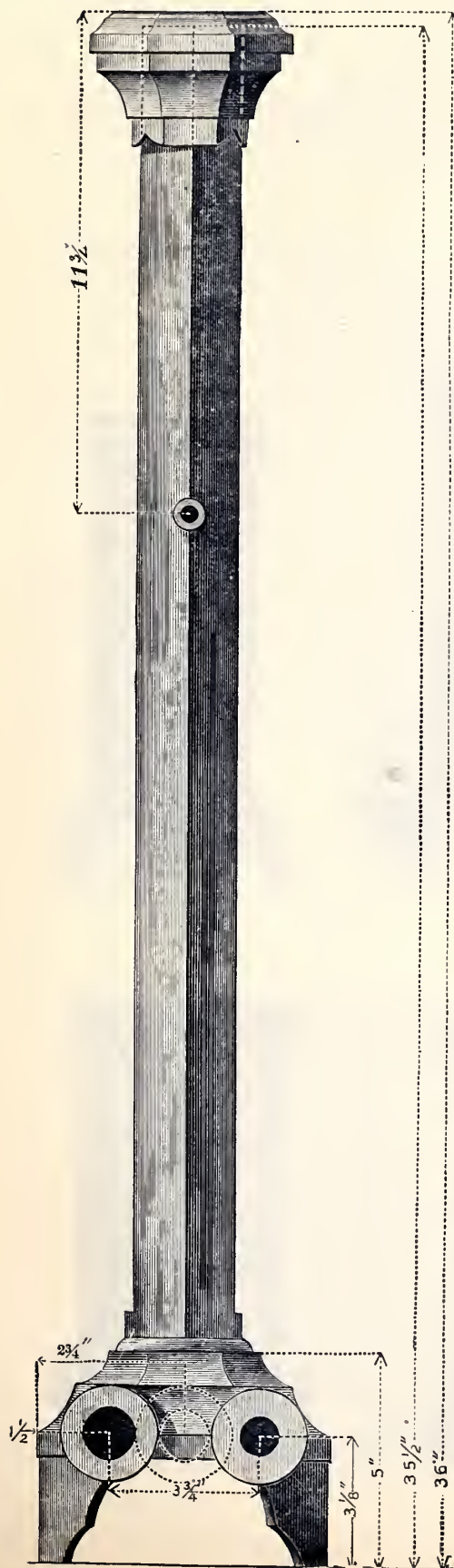


FIG. 29

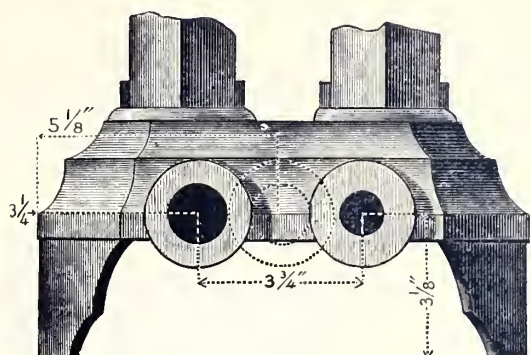


FIG. 30.

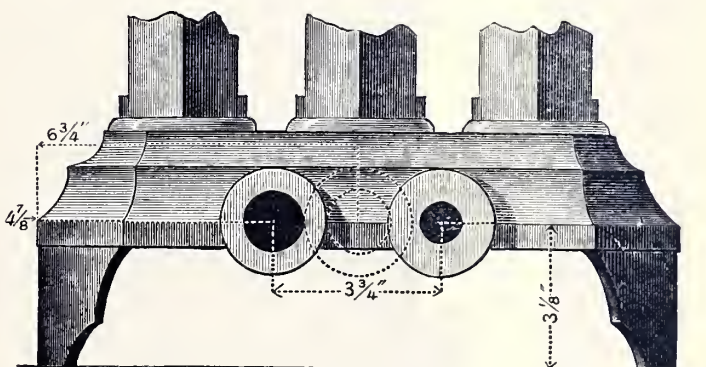


FIG. 31.

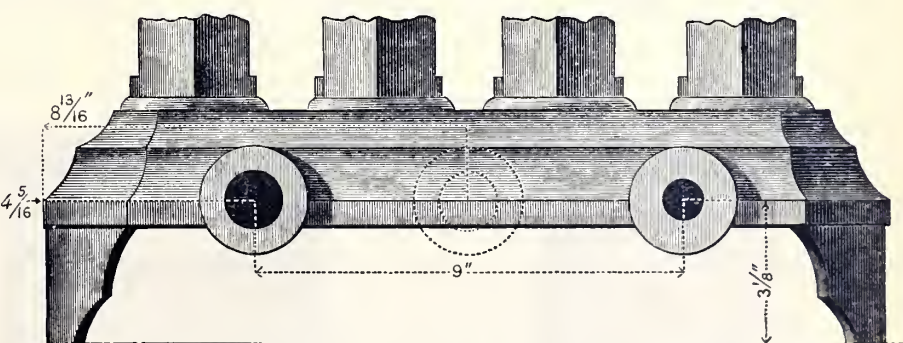


FIG. 32.

FIGS. 29, 30, 31 and 32 represent end views of the one, two, three and four-row bases, and are designed for the special benefit of Steam Fitters and others from whom we are constantly receiving inquiries in regard to measurements of the Bundy Radiator. It will be observed by referring to the above cuts that the largest, or feed opening is on the left hand side. While a number of our customers order them made in this manner, our *Regular Stock Goods* are made with the feed opening on the *right hand side* when facing end of Radiator.

Vertical Tube Antique Brass Direct Radiator Screens.

These elegant Radiator Covers are made to fit any size Radiator found on our list, and can be furnished in either antique or polished brass, and placed on the Radiator before or after setting. For prices see following page.



FIG. 39.



FIG. 40.



FIG. 41.



FIG. 42.



FIG. 43.



FIG. 44.

Vertical Tube Antique Brass Direct Radiator Screens.

Figs. 39½, 40½, 41½, 42½, 43½, 44½, 44½ and 44½ are the latest designs being specially adapted to Renaissance, Moorish and Queen Anne rooms. They can be placed on Radiators before or after setting or at any time.

Furnished in Antique Brass (*Blackened Gold*), Polished Brass (*Gold*), or Oxidized Silver and Bright Nickel.

For prices on Antique and Polished Brass Screens, see list.

For prices on Oxidized Silver and Bright Nickel, add 30 per cent. to list.



Fig. 39½.

These Screens have liberal fret work openings through which the air passes with perfect freedom. They do not increase the space occupied by the Radiator and when mounted with a *Rose Numidian*, *Aurania Griotte*, *Sienna*, *St. Anne*, *Italian Dove* or *Ophiate* Marble Top they make a most elegant piece of furniture, and the great variety in which they are made enables one to select those in perfect harmony with the furnishing of any room.

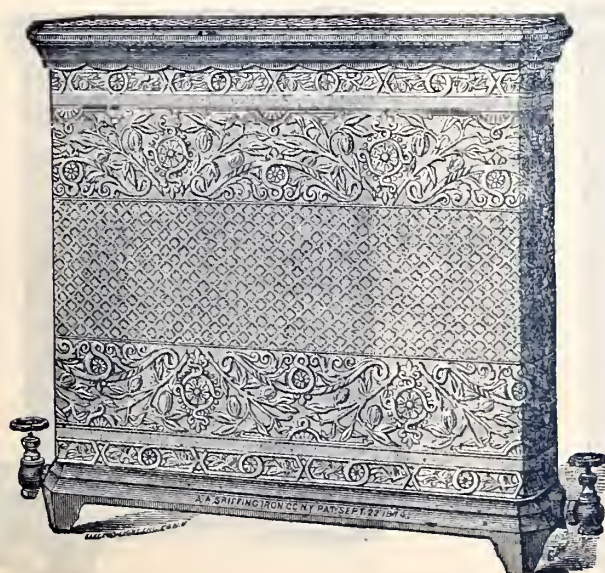


Fig. 40½.

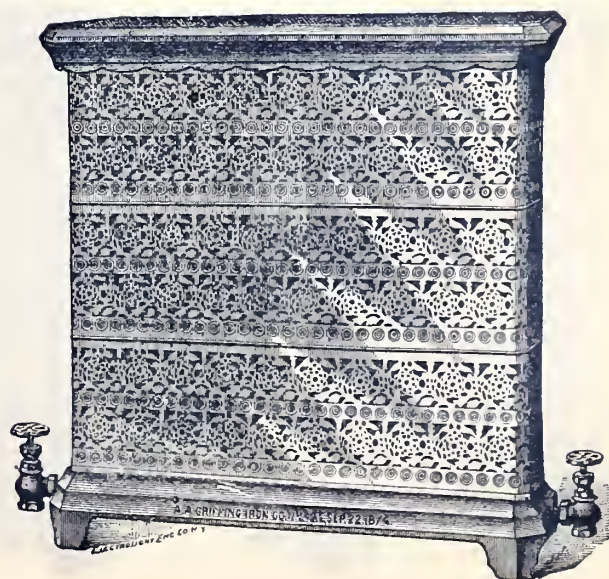


Fig. 41½

Vertical Tube Antique Brass Direct Radiator Screens.



Fig. 42 1/2.



Fig. 43 1/2.

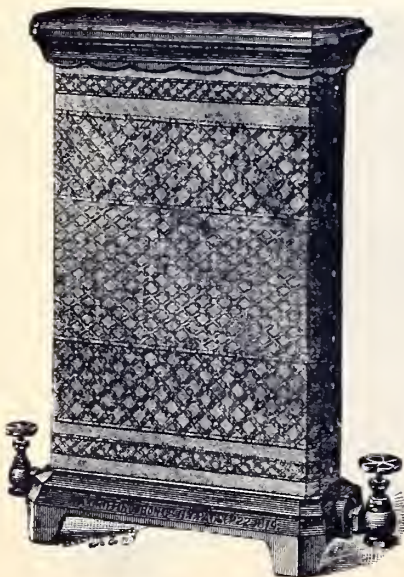


Fig. 44 1/4.



Fig. 44 1/2.



Fig. 44 3/4.

A. A. GRIFFING IRON CO. BUNDY RADIATORS. JERSEY CITY, N. J.

TRADE BUNDY MARK.

Price-List of Antique Brass Direct Radiator Screens.

The following prices are for Screens to fit Radiators 36 inches in height. In case prices are wanted for Screens to fit Radiators of other heights, they will be quoted on application.

| For Radiators with Standard Loop. | | For Radiators with Enlarged Loop. | | For Radiators with Extended Surface Loop. | |
|-----------------------------------|---------|-----------------------------------|---------|-------------------------------------------|---------|
| 1 X 3 | \$20 25 | 1 X 3 | \$20 25 | 1 X 3 | \$20 25 |
| 1 X 4 | 24 00 | 1 X 4 | 26 25 | 1 X 4 | 26 25 |
| 1 X 5 | 30 00 | 1 X 5 | 30 00 | 1 X 5 | 30 00 |
| 1 X 6 | 36 00 | 1 X 6 | 36 00 | 1 X 6 | 36 00 |
| 1 X 7 | 42 50 | 1 X 7 | 43 50 | 1 X 7 | 43 50 |
| 1 X 8 | 46 50 | 1 X 8 | 48 00 | 1 X 8 | 48 00 |
| 1 X 9 | 50 25 | 1 X 9 | 52 50 | 1 X 9 | 52 50 |
| 1 X 10 | 56 25 | 1 X 10 | 56 25 | 1 X 10 | 56 25 |
| 1 X 11 | 62 25 | 1 X 11 | 62 25 | 1 X 11 | 62 25 |
| 1 X 12 | 69 00 | 1 X 12 | 69 00 | 1 X 12 | 69 00 |
| 1 X 13 | 72 00 | 1 X 13 | 74 25 | 1 X 13 | 74 25 |
| 1 X 14 | 78 00 | 1 X 14 | 80 25 | 1 X 14 | 80 25 |
| 1 X 15 | 84 00 | 1 X 15 | 84 00 | 1 X 15 | 84 00 |
| 1 X 16 | 90 00 | 1 X 16 | 90 00 | 1 X 16 | 90 00 |
| 1 X 18 | 100 50 | 1 X 18 | 102 00 | 1 X 18 | 102 00 |
| 1 X 20 | 112 50 | 1 X 20 | 112 50 | 1 X 20 | 112 50 |
| 1 X 22 | 122 25 | 1 X 22 | 122 25 | 1 X 22 | 122 25 |
| 1 X 24 | 132 00 | 1 X 24 | 134 25 | 1 X 24 | 134 25 |
| 1 X 26 | 144 00 | 1 X 26 | 144 00 | 1 X 26 | 144 00 |
| 2 X 3 | 26 25 | 2 X 3 | 28 50 | 2 X 3 | 28 50 |
| 2 X 4 | 32 25 | 2 X 4 | 34 50 | 2 X 4 | 34 50 |
| 2 X 5 | 38 25 | 2 X 5 | 38 25 | 2 X 5 | 38 25 |
| 2 X 6 | 42 00 | 2 X 6 | 44 25 | 2 X 6 | 44 25 |
| 2 X 7 | 48 00 | 2 X 7 | 48 00 | 2 X 7 | 48 00 |
| 2 X 8 | 54 00 | 2 X 8 | 54 00 | 2 X 8 | 54 00 |
| 2 X 9 | 58 50 | 2 X 9 | 60 00 | 2 X 9 | 60 00 |
| 2 X 10 | 64 50 | 2 X 10 | 66 00 | 2 X 10 | 66 00 |
| 2 X 11 | 70 50 | 2 X 11 | 70 50 | 2 X 11 | 70 50 |
| 2 X 12 | 76 50 | 2 X 12 | 76 50 | 2 X 12 | 76 50 |
| 2 X 13 | 80 25 | 2 X 13 | 80 25 | 2 X 13 | 80 25 |
| 2 X 14 | 86 25 | 2 X 14 | 86 25 | 2 X 14 | 86 25 |
| 2 X 15 | 90 00 | 2 X 15 | 92 25 | 2 X 15 | 92 25 |
| 2 X 16 | 96 00 | 2 X 16 | 102 00 | 2 X 16 | 102 00 |
| 2 X 18 | 106 50 | 2 X 18 | 108 00 | 2 X 18 | 108 00 |
| 2 X 20 | 118 50 | 2 X 20 | 118 50 | 2 X 20 | 118 50 |
| 2 X 22 | 128 25 | 2 X 22 | 130 50 | 2 X 22 | 130 50 |
| 2 X 24 | 138 00 | 2 X 24 | 140 25 | 2 X 24 | 140 25 |
| 2 X 26 | 150 00 | 2 X 26 | 154 50 | 2 X 26 | 154 50 |
| 3 X 3 | 32 25 | 3 X 3 | 32 25 | 3 X 3 | 32 25 |
| 3 X 4 | 38 25 | 3 X 4 | 38 25 | 3 X 4 | 38 25 |
| 3 X 5 | 42 00 | 3 X 5 | 44 25 | 3 X 5 | 44 25 |
| 3 X 6 | 48 00 | 3 X 6 | 50 25 | 3 X 6 | 50 25 |
| 3 X 7 | 52 50 | 3 X 7 | 54 00 | 3 X 7 | 54 00 |
| 3 X 8 | 58 50 | 3 X 8 | 60 00 | 3 X 8 | 60 00 |
| 3 X 9 | 64 50 | 3 X 9 | 64 50 | 3 X 9 | 64 50 |
| 3 X 10 | 68 25 | 3 X 10 | 70 50 | 3 X 10 | 70 50 |
| 3 X 11 | 74 25 | 3 X 11 | 76 50 | 3 X 11 | 76 50 |
| 3 X 12 | 80 25 | 3 X 12 | 82 50 | 3 X 12 | 82 50 |
| 3 X 13 | 86 25 | 3 X 13 | 86 25 | 3 X 13 | 86 25 |
| 3 X 15 | 96 00 | 3 X 15 | 96 00 | 3 X 15 | 96 00 |
| 4 X 4 | 44 25 | 4 X 4 | 46 50 | 4 X 4 | 46 50 |
| 4 X 5 | 50 25 | 4 X 5 | 50 25 | 4 X 5 | 50 25 |
| 4 X 6 | 54 00 | 4 X 6 | 56 25 | 4 X 6 | 56 25 |
| 4 X 8 | 63 50 | 4 X 8 | 66 00 | 4 X 8 | 66 00 |
| 4 X 10 | 76 50 | 4 X 10 | 78 00 | 4 X 10 | 78 00 |
| 4 X 14 | 96 00 | 4 X 14 | 98 25 | 4 X 14 | 98 25 |
| 4 X 18 | 118 50 | 4 X 18 | 120 00 | 4 X 18 | 120 00 |
| 4 X 20 | 130 50 | 4 X 20 | 132 00 | 4 X 20 | 132 00 |
| 4 X 22 | 140 25 | 4 X 22 | 142 50 | 4 X 22 | 142 50 |
| 4 X 24 | 150 00 | 4 X 24 | 150 00 | 4 X 24 | 150 00 |
| 10 Circular | 36 00 | 10 Circular. | 38 25 | 10 Circular. | 38 25 |
| 15 " | 40 50 | 15 " | 42 00 | 15 " | 42 00 |
| 20 " | 46 50 | 20 " | 48 00 | 20 " | 48 00 |
| 26 " | 50 25 | 26 " | 52 50 | 26 " | 52 50 |
| 34 " | 60 00 | 34 " | 62 25 | 34 " | 62 25 |
| 50 " | 72 00 | 50 " | 72 00 | 50 " | 72 00 |
| 74 " | 84 00 | 72 " | 84 00 | 72 " | 84 00 |
| 26 Column. | 56 25 | 26 Column. | 60 00 | 26 Column. | 60 00 |
| 34 " | 68 25 | 34 " | 70 50 | 34 " | 70 50 |
| 50 " | 84 00 | 50 " | 88 50 | 50 " | 88 50 |
| 10 Corner. | 36 00 | 10 Corner. | 38 25 | 10 Corner. | 38 25 |
| 15 " | 44 25 | 15 " | 46 50 | 15 " | 46 50 |
| 20 " | 52 50 | 20 " | 52 50 | 20 " | 52 50 |

Description of Marble Tops for Bundy Radiators.

In giving a description of these Marble Tops we wish to say a word regarding the difficulties encountered in attempting to convey a correct idea of their appearance. We have given a general idea as to their color, to assist our customers and friends in their selection of appropriate Tops for different rooms, but Marble will frequently, when cut and polished, become darker or lighter than the one from which our description is taken.

We have the finest line of Marble that has ever been produced by any manufacturer, and having made special arrangements for importation, we can furnish at a large saving rare specimens of Marble Tops not obtainable from any other source. We have made our prices low, believing that larger sales will compensate us for so doing.

Please bear in mind that all Marble is not adaptable for Radiators as they will not stand the heat, and this is strong argument why the Tops should come from us, besides thus avoiding any possibility of misfits, which in Marble Tops is especially annoying.

Vermont (A) Milk White. Skirting the western slope of the Green Mountains, in the vicinity of Rutland, Vermont, is found a rare specimen of *milk white* marble interspersed with fine, barely distinguishable, grayish veins and spots. This marble so closely resembles the Italian that only an expert can detect the difference. Both stand the heat well, but the Italian is the harder marble and takes a higher polish and is not so susceptible to discoloration, hence it is better for Radiator Tops, but the Vermont is excellent for bed chambers and rooms of that character.

Italian (B) Blue White. This beautiful *blue white* marble is found in Italy in the well-known Carrara Quarries of sculptural fame. It is unquestionably a better marble than that used by any other house furnishing Marble Tops for Radiators. One block of Carrara Marble may be sent to the sculptor to receive his cunning handiwork in the form of some statuette and the next block go to be wrought into Tops for Bundy Radiators. The chaste whiteness of the Italian Marble is its cardinal feature, and its well-known adamantine hardness takes a high polish and makes it less prenable to stains of any description.

Knoxville (C) Pink. At the base of the Cumberland Mountains in Knox County, Tennessee, occupying a large bend in the Tennessee River, is the Great Bend Quarry, which gives us a rare specimen of *pink* colored Marble, thoroughly mixed with fine spots of white crossed with chance veins of the same color or gray, or even both. This is the Knoxville Marble, which is used in all classes of rooms, but more particularly in bed chambers on account of its low price.

Tennessee (D) Brownish Red. In the northern range of the Cumberland Mountains of Tennessee, is found a Marble of such harmoniously blended colors as to attract public attention and gain favor. This is the Tennessee Marble. We secure our supply from the well-known Hawkin's Quarry, noted because its Marble has fast colors, unbleachable in the sunlight. This is a very important point to the user. Its predominant color is *red*, handsomely flecked with spots and veins of crystallized white, which, blending with the red, takes on a sort of brownish hue. Perhaps more of the Tennessee Marble is used than any other as it is both cheap and serviceable and takes a very high polish.

Glens Falls (E) Jet Black. One of the grandest Marbles to be found anywhere is the Glens Falls found in the foot hills of the famed Adirondack Mountains. Its color is a *jet black*, resembling very closely the imported Belgium Black, especially when given a French polish. It is an excellent Marble, both for Radiator Tops and Bases, especially the latter, where its dark color gives an appearance of special elegance.

Mexican Onyx (F) Pearl White. This beautiful Marble is purely of a volcanic formation, originating in a violent eruption of the Volcano Popocatepeti, after which the golden quartz, which had been reduced to a white heat, solidified, becoming a semi-transparent mass of rare beauty. Of all the different Onyx that from the Tecali Quarry, situated 35 miles from the City of Mexico, is conceded by connoisseurs to be the best, and it certainly is the most richly endowed with natural beauty. Arrangements having been made for the importation of this special marble, we offer our customers the rarest Mexican Onyx Tops at a comparatively low price. As Onyx is so well known and so highly prized by the public, and as many eminent connoisseurs have passed their favorable verdict on our Onyx, we feel confident in pleasing our customers. The striking ice-like appearance of our Onyx shows the different hues of scintillating colors, which under varying circumstances give forth all the prismatic colors of the rainbow. No Marble is better adapted than Onyx to surmount a Bundy Radiator in a Parlor, Drawing or Reception room of Renaissance, Oriental, Arabesque or Moorish style of furnishing.

Ophite (G) Green and White. This Marble is often called Verd-Antique, as its green color gives it an appearance of antiquity. It takes its name from the Latin word ophites, meaning a serpent and is found in the renowned quarries of Moriah. It is a serpentine Marble, with its predominant color *dark green* thoroughly mixed with *white*, making it resemble grain in figure. Its mottled design is occasionally varied by a greenish black spot encircled by a green of darker hue, and the blending of all the colors bespeak harmony and unity of design.

Italian Dove (H) Light Blue. Sometimes called *Blue Turquin* owing to its delicate tint of sky blue. It is found in small quantities skirting the Carrara Quarries from which our White Italian Marble is taken. It has occasional dark blue veins running through the *blue*, which by contrast heightens very much its general appearance. It takes a very high finish and is an excellent Marble for a blue room.

Royal Red (I) Brownish Red. This beautiful Marble is also called Ronge Royal owing to its peculiar fascination with the English Royal Family. When first discovered they gained absolute control of the quarries and for many years the Marble could not be had by any but the Nobility. Our supply is taken from the Visé Quarries near Brussels, Belgium, which is reputed as having the finest specimens. The Marble has the colors *red*, brown, drab and white, but the prevailing color which strikes the eye is the *Royal Red*, the color of the English Flag.

Aurania Griotte (J) Dark Drab. The Alps of Switzerland and Pyrenees of France both contain rare specimens of Aurania Griotte, but by far the choicest specimens are from the Aurania Quarries in Switzerland. The word Griotte means mottled, and so the Marble has a great variety of colors, but that which predominates is *dark drab*, which is intersected with veins of deep blood red, and spots of crystallized white, all of which colors are so harmonious as to render the Marble difficult to describe. It should be seen to be appreciated. There is no color strong enough to become offensive, but blending with the *drab* are the colors red, purple, white, gray and brown, making a Marble of exquisite beauty.

Eschaleon (K) Light Yellow. Fringing the Rhone River in France is found the Eschaleon Marble. Its color is lighter *yellow* than the Sienna, running more into the gray, which assumes such form as to resemble large shells. This Marble is very largely used in the Public Buildings of Paris, and is also extremely popular among the Spanish Nobility.

St. Anne (L) Dark Drab and White. The St. Anne Marble is from the Sambre Quarries, near Liege, Belgium. While all Belgium Marbles are hard, this is the hardest of any, and so is largely used for tiling and flooring purposes in the palaces of foreign countries. Its prevailing colors are *dark drab and white*. The drab color, which varies in intensity, is thoroughly intersected by the lines of white. It takes a very high polish and is a magnificent Marble for any apartment, especially a hall or dining room.

Napoleon (M) Dark Fawn. The Napoleon Marble is taken from the Rupe Quarry, near Antwerp, Belgium. Its color is a *dark fawn*, interspersed with crystallized white veins and intersecting light lines of blood red and golden yellow. It is a handsomely colored Marble and having a neutral tint is appropriate with any style of furnishing.

Joinville (N) Gray. The Joinville Marble which is very rarely seen in this country, being found only in very small quantities in the Joinville Quarry of Belgium, is of a light *gray* color with intersecting lines of red and white. This Marble should be seen to be appreciated. It is hard and susceptible of a very high finish.

Lorraine (O) Light Fawn. The Lorraine Marble is found in the foothills of the Pyrenees Mountains in Southern France. It has a delicate *light fawn* color, slightly flecked with spots of beautiful pearl and black. As a neutral tint it can be used with good effect in any room, but its mellow color makes its specially desirable for bed-chambers and kindred apartments.

Belgium Black (P) Black. This Marble is found in the Garonne Quarries, in the southern part of Belgium. It has a rich, velvety *black* color, which gives it the appearance of elegance and is a good Marble for either Radiator tops or bases, especially the latter. Its rich color is no doubt largely due to the high polish which it takes.

Griotte (Q) Blood-red. This Marble is found at the base of Mt. Vesuvius, near the city of Naples, Italy. As its name implies the Griotte Marble has a mottled appearance. The principal colors are *red* and black, while occasionally crystallized white eyes, or veins, may be found running through it. It is one of the handsomest Marbles and takes an extra high polish. The Quarry from which our supply is taken is conceded to be the best in the world.

Numidian (R) Rose. This is probably one of the oldest Marbles known, as history shows that as far back as B. C. 77 the ancient Romans raised a 20 foot column of Numidian to the memory of Caesar in the Forum. The Marble is secured at great hazard, as to reach the quarries some of Africa's most dangerous jungles must be penetrated, which are infested with wild animals of every description. It is certainly a historic Marble and every Top has a story to tell touching on the adventures encountered in its perilous journey. The Marble has a rich and delicate *rose* color, made more beautiful, if possible, with resplendent veins of yellow and chance spots and veins of black lined with a *rose* tint of lighter hue.

Alps Green (S) Dark Green. The frowning peak of Mt. Blanc in the Alps of Switzerland overlooks the quarry from which our supply of Alps Green is taken. This Marble is sometimes called *Vert Alps* and *Vert Antique* owing to its color and the mountain from which it is cut. It has a *dark green* color uniformly veined with white, and although a very popular Marble in Europe it has not until now been imported to this country to be used as Tops for Bundy Radiators. It is an exceptionally fine Marble for a green room.

Sienna (T) Gold. All the golden sunshine of sunny Italy seems to have entered this beautiful Sienna Marble. Discovered accidentally by the Good Sisters of Sienna, it was used by them in building the celebrated Sienna Cathedral, which, when completed standing in the sunlight resembled a golden palace. The quarries are still controlled by these Good Sisters of Charity and the handsome revenue obtained from the sale of the Marble is wholly used in their humanitarian work. The predominant color is gold with delicate veins of pearl and purple running through it, and even the yellow gold color has different shades to assist the general harmony. This is one of the handsomest Marbles known, and looks well wherever used, especially in a light, sunny room.

St. Beaume (U) Gold and Dove. This Marble is taken from the renowned Tortosa Quarry in the Pyrenees of France. It takes its name from the *Patron Saint Beaume*, which was given it by the people who need it largely in building the Ancient Monasteries and Cathedra's of France, which to-day are standing, living monuments of the enduring properties of this magnificent Marble. It is richly endowed with *gold* and *dove* colors well mixed, with occasional spots of pink and crystallized white, and light, scarcely noticeable, veins of purple. A Bundy Radiator setting upon a Belgium Black base and surmounted with one of these Tops is well suited for any of the handsomer rooms in our modern houses.

Famosa (V) Dark Purple. Throughout the Rhenish Provinces in Germany is found the Famosa Marble, but the finest specimens, those having the richest color, are taken from the Essen Quarry from whence comes our supply. This Marble is used largely in the Palaces of the venerable Kaiser William, hence its popularity throughout all Germany. It is more largely used in the houses of the German Nobility than any other Marble. It is curiously formed, so much so that it is difficult to describe, but its predominant color is *dark purple* which reminds one of the purple robes worn by the nobility in their regal splendor.

Lavanto (W) Sage Green. Italy is so famous for its blue white Marble that the impression has gone out that it furnishes none other, but situated near the time-honored city of Florence is the Lavanto Quarry producing a most beautiful Marble bearing the same name. The prevailing color is *sage green* largely figured with bright cherry spots and intersecting white veins. It is an excellent Marble, and although very small quantities of it have been imported to this country, it is used very extensively by the Italians and throughout all Europe.

A. A. GRIFFING IRON CO. BUNDY RADIATORS JEFFERSON, MISSOURI

TRADE BUNDY MARK.

Marble Tops for Bundy Steam or Hot Water Radiators.

These Tops are made of the very best marble; are $\frac{7}{8}$ inch thick; have bevel or O. G. edge, and project over the Radiator binder $\frac{3}{4}$ inch all around. To make sure that you get Tops that fit the Radiator perfectly and to guard against the use of inferior marble, order of us according to this list. The Tops can be sent with the Radiators, thus saving freight, as we keep a general assortment of sizes continually on hand.

| RADIATOR. | (A.) VERMONT. | (B.) ITALIAN. | (C.) KNOXVILLE. | (D.) TENNESSEE. | (E.) GLENS FALLS. | (F.) MEXICAN ONYX. |
|-------------|------------------|------------------|--------------------|--------------------|----------------------|-----------------------|
| 1 x 3 | \$.90 | \$1.05 | \$1.55 | \$1.75 | \$1.75 | \$4.00 |
| 1 x 4 | 1.05 | 1.25 | 1.75 | 2.05 | 2.05 | 4.00 |
| 1 x 5 | 1.20 | 1.40 | 2.05 | 2.30 | 2.30 | 5.20 |
| 1 x 6 | 1.35 | 1.60 | 2.30 | 2.65 | 2.65 | 6.00 |
| 1 x 7 | 1.50 | 1.80 | 2.50 | 2.90 | 2.90 | 6.20 |
| 1 x 8 | 1.80 | 2.10 | 3.10 | 3.50 | 3.50 | 7.50 |
| 1 x 9 | 1.95 | 2.30 | 3.25 | 3.85 | 3.85 | 8.20 |
| 1 x 10 | 2.10 | 2.50 | 3.50 | 4.20 | 4.20 | 8.80 |
| 1 x 11 | 2.35 | 2.75 | 3.80 | 4.55 | 4.55 | 9.40 |
| 1 x 12 | 2.55 | 3.00 | 4.15 | 5.00 | 5.00 | 10.00 |
| 1 x 13 | 2.70 | 3.15 | 4.50 | 5.60 | 5.60 | 12.00 |
| 1 x 14 | 2.85 | 3.35 | 4.80 | 6.15 | 6.15 | 13.00 |
| 1 x 15 | 2.95 | 3.45 | 5.00 | 6.30 | 6.30 | 13.50 |
| 1 x 16 | 3.10 | 3.60 | 5.45 | 6.60 | 6.60 | 14.00 |
| 1 x 18 | 3.40 | 3.95 | 5.95 | 7.20 | 7.20 | 15.40 |
| 1 x 20 | 4.00 | 4.65 | 6.50 | 8.00 | 8.00 | Special price. |
| 1 x 22 | 4.40 | 5.10 | 7.00 | 8.80 | 8.80 | " |
| 1 x 24 | 4.90 | 5.70 | 7.90 | 9.80 | 9.80 | " |
| 1 x 26 | 5.00 | 6.00 | 8.05 | 10.25 | 10.25 | " |
| 2 x 3 | 1.35 | 1.60 | 2.40 | 3.00 | 3.00 | 6.00 |
| 2 x 4 | 1.50 | 1.75 | 2.65 | 3.25 | 3.25 | 6.80 |
| 2 x 5 | 1.95 | 2.30 | 3.15 | 3.85 | 3.85 | 8.00 |
| 2 x 6 | 2.15 | 2.55 | 3.60 | 4.40 | 4.40 | 9.00 |
| 2 x 7 | 2.40 | 2.80 | 3.95 | 4.85 | 4.85 | 10.00 |
| 2 x 8 | 2.80 | 3.25 | 4.50 | 5.45 | 5.45 | 12.00 |
| 2 x 9 | 3.00 | 3.45 | 4.85 | 5.95 | 5.95 | 12.75 |
| 2 x 10 | 3.30 | 3.85 | 5.25 | 6.50 | 6.50 | 13.50 |
| 2 x 11 | 3.55 | 4.15 | 5.70 | 6.95 | 6.95 | 14.50 |
| 2 x 12 | 3.85 | 4.50 | 6.15 | 7.55 | 7.55 | 16.00 |
| 2 x 13 | 4.05 | 4.75 | 6.60 | 8.05 | 8.05 | 17.00 |
| 2 x 14 | 4.35 | 5.10 | 7.00 | 8.60 | 8.60 | 18.75 |
| 2 x 15 | 4.65 | 5.45 | 7.55 | 9.10 | 9.10 | 22.00 |
| 2 x 16 | 4.90 | 5.70 | 7.90 | 9.65 | 9.65 | 26.00 |
| 2 x 18 | 5.55 | 6.50 | 8.95 | 10.95 | 10.95 | Special price. |
| 2 x 20 | 6.00 | 7.00 | 9.75 | 11.90 | 11.90 | " |
| 2 x 22 | 6.60 | 7.70 | 10.50 | 12.95 | 12.95 | " |
| 2 x 24 | 7.55 | 8.25 | 11.40 | 14.00 | 14.00 | " |
| 2 x 26 | 7.80 | 9.10 | 13.15 | 16.20 | 16.20 | " |
| 3 x 3 | 1.80 | 2.10 | 3.00 | 3.60 | 3.60 | 8.00 |
| 3 x 4 | 2.10 | 2.45 | 3.45 | 4.15 | 4.15 | 9.00 |
| 3 x 5 | 2.40 | 2.80 | 3.85 | 4.75 | 4.75 | 11.00 |
| 3 x 6 | 2.85 | 3.35 | 4.75 | 5.70 | 5.70 | 14.00 |
| 3 x 7 | 3.15 | 3.70 | 5.10 | 6.30 | 6.30 | 16.00 |
| 3 x 8 | 3.45 | 4.05 | 5.60 | 7.00 | 7.00 | 18.00 |
| 3 x 9 | 3.90 | 4.55 | 6.30 | 7.70 | 7.70 | 20.00 |
| 3 x 10 | 4.20 | 4.90 | 6.85 | 8.35 | 8.35 | 22.00 |
| 3 x 11 | 4.60 | 5.35 | 7.35 | 9.10 | 9.10 | 24.00 |
| 3 x 12 | 5.10 | 5.95 | 8.35 | 10.10 | 10.10 | 26.00 |
| 3 x 13 | 5.55 | 6.50 | 9.10 | 11.15 | 11.15 | 28.00 |
| 3 x 15 | 6.00 | 7.00 | 9.75 | 11.85 | 11.85 | Special price. |
| 4 x 4 | 2.65 | 3.10 | 4.40 | 5.50 | 5.50 | 12.00 |
| 4 x 5 | 3.10 | 3.60 | 5.00 | 6.05 | 6.05 | 14.00 |
| 4 x 6 | 3.60 | 4.15 | 5.60 | 7.00 | 7.00 | 16.00 |
| 4 x 8 | 4.45 | 5.20 | 7.10 | 8.75 | 8.75 | 20.00 |
| 4 x 10 | 4.90 | 5.75 | 7.90 | 9.75 | 9.75 | 24.00 |
| 4 x 14 | 7.05 | 8.25 | 11.55 | 14.00 | 14.00 | 34.00 |
| 4 x 18 | 8.10 | 9.45 | 13.15 | 15.95 | 15.95 | Special price. |
| 4 x 20 | 9.00 | 10.50 | 14.35 | 17.95 | 17.95 | " |
| 4 x 22 | 10.80 | 12.60 | 17.50 | 22.75 | 22.75 | " |
| 4 x 24 | 12.00 | 14.00 | 19.25 | 24.50 | 24.50 | " |
| 10 Circular | 2.65 | 3.10 | 4.30 | 5.25 | 5.25 | 12.00 |
| 15 " | 3.25 | 3.80 | 5.10 | 6.30 | 6.30 | 14.00 |
| 20 " | 3.75 | 4.40 | 6.05 | 7.45 | 7.45 | 17.00 |
| 26 " | 4.60 | 5.35 | 7.55 | 9.10 | 9.10 | 22.00 |
| 34 " | 6.25 | 7.30 | 10.15 | 12.10 | 12.10 | 28.00 |
| 50 " | 8.25 | 9.65 | 13.40 | 16.45 | 16.45 | 40.00 |
| 74 " | 10.20 | 11.90 | 16.65 | 21.00 | 21.00 | 60.00 |
| 26 Column. | 5.35 | 6.25 | 8.60 | 10.50 | 10.50 | 24.00 |
| 34 " | 7.50 | 8.75 | 12.25 | 14.90 | 14.90 | 36.00 |
| 50 " | 10.15 | 11.85 | 16.65 | 20.15 | 20.15 | 50.00 |
| 10 Corner. | 1.80 | 2.10 | 3.00 | 3.60 | 3.60 | 8.00 |
| 15 " | 2.25 | 2.65 | 3.50 | 4.40 | 4.40 | 10.00 |
| 20 " | 3.00 | 3.50 | 4.90 | 6.00 | 6.00 | 14.00 |

Black Glen Falls Tops with a very high polish known as French Polish, add **25** per cent. to above prices.

Cutting Hole in Tops for Column Radiators **\$1.00** net will be charged extra in each case.

Marble Tops, 1 inch thick, add to above prices **15** per cent.; **1 $\frac{1}{4}$ inches thick**, **35** per cent.

Marble Bases, 7/8 inch thick (excepting Onyx), add for 1 row, **35** per cent.; 2 row, **25** per cent.; 3 row, **20** per cent.

4 Row, Circular, Corner and Column, **15** per cent.

TRADE BUNDY MARK.

Marble Tops for Bundy Steam or Hot Water Radiators.

These Marble Tops are specially designed for *Renaissance, Moorish, Arabesque, Oriental* and *Queen Anne* rooms, and the variety is so great that Tops can be had which harmonize perfectly with the furnishing of any apartment. A full description of each marble is given on another page, and for convenience in ordering, they may be designated by letter: For example "J" would mean "*Aurania Griotte*," etc. All Tops are $\frac{3}{8}$ inch thick, unless ordered otherwise (see bottom of page); have rounded or chamfered edge; project over the Radiator binder $\frac{1}{4}$ inch all around; fit the Radiator perfectly, and the Marble is of the very best quality, all of which should be convincing arguments why the tops should come from us, thus avoiding all danger of misfits, besides procuring, at a moderate cost, specimens of Marble which are extremely rare.

| RADIATOR. | OPHITE (C). | ITALIAN DOVE (H). | ROYAL RED (I). AURANIA GRIOTTE (J). ECHALEON (K). | ST. ANNE (L). NAPOLEON (M). JOINVILLE (N). LORRAINE (O). | BELGIUM BLACK (P). GRIOTTE (Q). ROSE NUMEDIAN (R). ALPS GREEN (S). | SIENNA (T). ST. BEAUME (U). FAMOSA (V). LAVANTO (W). |
|-------------|-------------|-------------------|---------------------------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------------------------------------------------|
| 1 x 3 | \$2.20 | \$2.45 | \$3.75 | \$3.75 | \$4.25 | \$4.25 |
| 1 x 4 | 2.55 | 2.80 | 4.25 | 4.25 | 4.75 | 4.75 |
| 1 x 5 | 2.90 | 3.20 | 4.75 | 4.75 | 5.50 | 5.50 |
| 1 x 6 | 3.25 | 3.60 | 5.50 | 5.50 | 6.25 | 6.25 |
| 1 x 7 | 3.40 | 3.75 | 5.75 | 5.75 | 6.50 | 6.50 |
| 1 x 8 | 4.15 | 4.60 | 7.25 | 7.25 | 8.50 | 8.50 |
| 1 x 9 | 4.70 | 5.20 | 7.75 | 7.75 | 9.25 | 9.25 |
| 1 x 10 | 5.00 | 5.50 | 8.50 | 8.50 | 10.00 | 10.00 |
| 1 x 11 | 5.50 | 6.05 | 9.00 | 9.00 | 11.00 | 11.00 |
| 1 x 12 | 6.00 | 6.60 | 10.00 | 10.00 | 11.75 | 11.75 |
| 1 x 13 | 6.80 | 7.50 | 10.75 | 10.75 | 13.50 | 13.50 |
| 1 x 14 | 7.40 | 8.15 | 11.50 | 11.50 | 14.75 | 14.75 |
| 1 x 15 | 7.70 | 8.50 | 11.75 | 11.75 | 15.25 | 15.25 |
| 1 x 16 | 8.00 | 8.80 | 13.00 | 13.00 | 15.75 | 15.75 |
| 1 x 18 | 8.70 | 9.60 | 14.25 | 14.25 | 17.25 | 17.25 |
| 1 x 20 | 9.50 | 10.45 | 15.75 | 15.75 | 19.00 | 19.00 |
| 1 x 22 | 10.40 | 11.45 | 17.00 | 17.00 | 20.75 | 20.75 |
| 1 x 24 | 11.85 | 13.05 | 19.00 | 19.00 | 23.75 | 23.75 |
| 1 x 26 | 12.00 | 13.20 | 19.50 | 19.50 | 24.00 | 24.00 |
| 2 x 3 | 3.50 | 3.85 | 5.75 | 5.75 | 7.00 | 7.00 |
| 2 x 4 | 4.00 | 4.40 | 6.25 | 6.25 | 7.75 | 7.75 |
| 2 x 5 | 4.70 | 5.20 | 7.50 | 7.50 | 9.25 | 9.25 |
| 2 x 6 | 5.10 | 5.60 | 8.50 | 8.50 | 10.50 | 10.50 |
| 2 x 7 | 5.80 | 6.40 | 9.50 | 9.50 | 11.50 | 11.50 |
| 2 x 8 | 6.50 | 7.15 | 10.75 | 10.75 | 13.00 | 13.00 |
| 2 x 9 | 7.10 | 7.80 | 11.50 | 11.50 | 14.25 | 14.25 |
| 2 x 10 | 7.80 | 8.70 | 12.75 | 12.75 | 15.75 | 15.75 |
| 2 x 11 | 8.40 | 9.25 | 13.75 | 13.75 | 16.75 | 16.75 |
| 2 x 12 | 9.00 | 9.90 | 14.75 | 14.75 | 18.25 | 18.25 |
| 2 x 13 | 9.80 | 10.80 | 15.75 | 15.75 | 19.50 | 19.50 |
| 2 x 14 | 10.40 | 11.45 | 17.00 | 17.00 | 20.75 | 20.75 |
| 2 x 15 | 11.00 | 12.10 | 18.25 | 18.25 | 22.00 | 22.00 |
| 2 x 16 | 11.70 | 12.90 | 19.00 | 19.00 | 23.25 | 23.25 |
| 2 x 18 | 13.25 | 14.60 | 21.50 | 21.50 | 26.50 | 26.50 |
| 2 x 20 | 14.40 | 15.85 | 23.50 | 23.50 | 28.75 | 28.75 |
| 2 x 22 | 15.70 | 17.30 | 25.50 | 25.50 | 31.25 | 31.25 |
| 2 x 24 | 17.00 | 18.70 | 27.50 | 27.50 | 34.00 | 34.00 |
| 2 x 26 | 19.70 | 21.70 | 31.75 | 31.75 | 39.25 | 39.25 |
| 3 x 3 | 4.25 | 4.70 | 7.25 | 7.25 | 8.50 | 8.50 |
| 3 x 4 | 5.00 | 5.50 | 8.25 | 8.25 | 10.00 | 10.00 |
| 3 x 5 | 5.75 | 6.35 | 9.25 | 9.25 | 11.50 | 11.50 |
| 3 x 6 | 6.80 | 7.50 | 11.50 | 11.50 | 13.75 | 13.75 |
| 3 x 7 | 7.70 | 8.50 | 12.25 | 12.25 | 15.25 | 15.25 |
| 3 x 8 | 8.50 | 9.35 | 13.50 | 13.50 | 17.00 | 17.00 |
| 3 x 9 | 9.25 | 10.20 | 15.25 | 15.25 | 18.50 | 18.50 |
| 3 x 10 | 10.00 | 11.00 | 16.50 | 16.50 | 20.00 | 20.00 |
| 3 x 11 | 11.00 | 12.10 | 17.75 | 17.75 | 22.00 | 22.00 |
| 3 x 12 | 12.25 | 13.50 | 20.00 | 20.00 | 24.50 | 24.50 |
| 3 x 13 | 13.50 | 14.85 | 22.00 | 22.00 | 27.00 | 27.00 |
| 3 x 15 | 14.25 | 15.70 | 23.50 | 23.50 | 28.50 | 28.50 |
| 4 x 4 | 6.50 | 7.15 | 10.50 | 10.50 | 13.00 | 13.00 |
| 4 x 5 | 7.25 | 8.00 | 12.00 | 12.00 | 14.50 | 14.50 |
| 4 x 6 | 8.50 | 9.35 | 13.50 | 13.50 | 17.00 | 17.00 |
| 4 x 8 | 10.65 | 11.75 | 17.00 | 17.00 | 21.25 | 21.25 |
| 4 x 10 | 11.65 | 12.85 | 19.00 | 19.00 | 23.25 | 23.25 |
| 4 x 14 | 17.00 | 18.70 | 28.00 | 28.00 | 34.00 | 34.00 |
| 4 x 18 | 19.25 | 21.20 | 31.75 | 31.75 | 38.50 | 38.50 |
| 4 x 20 | 21.25 | 23.40 | 34.75 | 34.75 | 42.50 | 42.50 |
| 1 x 22 | 27.65 | 30.45 | 42.50 | 42.50 | 55.25 | 55.25 |
| 1 x 24 | 29.75 | 32.75 | 46.75 | 46.75 | 59.50 | 59.50 |
| 10 Circular | 6.70 | 7.40 | 10.00 | 10.00 | 12.75 | 12.75 |
| 15 " | 7.70 | 8.50 | 12.25 | 12.25 | 15.25 | 15.25 |
| 20 " | 9.00 | 9.90 | 14.50 | 14.50 | 18.00 | 18.00 |
| 26 " | 11.00 | 12.10 | 18.25 | 18.25 | 22.00 | 22.00 |
| 34 " | 14.70 | 16.20 | 24.50 | 24.50 | 29.25 | 29.25 |
| 50 " | 20.00 | 22.00 | 32.50 | 32.50 | 40.00 | 40.00 |
| 74 " | 25.50 | 28.05 | 40.25 | 40.25 | 51.00 | 51.00 |
| 26 Column. | 12.75 | 14.05 | 20.75 | 20.75 | 25.50 | 25.50 |
| 34 " | 18.00 | 19.80 | 29.75 | 29.75 | 36.00 | 36.00 |
| 50 " | 24.40 | 26.85 | 40.25 | 40.25 | 48.75 | 48.75 |
| 10 Corner. | 4.25 | 4.70 | 7.00 | 7.00 | 8.50 | 8.50 |
| 15 " | 5.25 | 5.80 | 8.50 | 8.50 | 10.50 | 10.50 |
| 20 " | 7.25 | 8.00 | 11.75 | 11.75 | 14.50 | 14.50 |

Cutting Hole in Tops for Column Radiators **\$1.00** net will be charged extra in each case.

Marble Tops, 1 inch thick, add to above prices **15** per cent.; **1 1/4 inches thick**, **35** per cent.

Marble Bases, 7-8 inch thick (excepting Onyx), add for 1 row, **35** per cent.; 2 row, **25** per cent.; 3 row, **20** per cent.
4 Row, Circular, Corner and Column, **15** per cent.

Bundy-Triumph Steam or Hot Water Radiators.

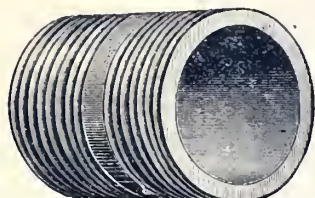


Fig. 45.

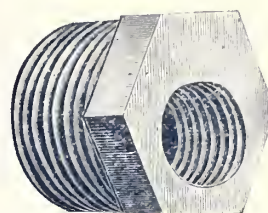


Fig. 46.

Figures 45 and 46 represent the wrought iron nipple and the hexagonal plug used in connecting the BUNDY-TRIUMPH sections into Steam Radiators, as per Figure 47, or Hot Water Radiators, as per Fig. 48.

These connections are larger than those in any other radiator with no base, therefore the entire surface is quickly and noiselessly relieved of the waters of condensation on gravity action.

The hexagonal plug (Fig. 46) is placed in each end section, and has an eccentric tapping. By virtue of this, practically no water can remain in the radiator to lessen its efficiency.

The Triumph sections for either steam or hot water heating are easily and quickly put together. In placing large radiators in upper rooms, the sections may be carried separately to their proper location, and there connected together, no special tools being needed to accomplish this.

A radiator for either steam or hot water heating with small inside openings makes necessary a forced circulation. The Triumph is a three-pipe construction, and has larger openings and connections than any radiator manufactured having no base. This gives the advantages possessed by a radiator having a base, without the disadvantage of added cost. There is more inside core surface as compared with outside radiating surface, and in lieu of this fact, and the arrangement of the plug (Fig. 46) with an eccentric tapping, this radiator can be successfully used on the "one-pipe" system.

Each radiator has a fret-work top of neat design, and when formed of thirteen or more sections, is supplied with one or more centre supports.

Another highly important feature of this Bundy-Triumph Radiator is the fact that a large proportion of its surface consists of arcs of a parabola. The reflector behind a locomotive headlight throws with great penetrating power its rays into space; so, in like manner, does this radiator discharge in great volume heat units into the apartment to be warmed.

There is but one steam joint to every $5\frac{1}{2}$ square feet of surface, which reduces to the minimum the liability of the radiators to leak.

SPECIAL NOTICE:

This three-pipe radiator, and the principle under which steam or hot water circulate through it, are fully covered by Letters-Patent in the United States and Canada, dated July 3, 1877, and June 14, 1887; and all manufacturers, jobbers, contractors and users of constructions commonly known as three-pipe radiators, are infringing upon our rights; and NOTICE is hereby given to such parties to discontinue the practice, or we shall take legal action to stop such violation and to recover the damages suffered by us thereby.

A. A. GRIFFIN & SONS' BUNDY RADIATORS, JERSEY CITY, N. J.

TRADE TRIUMPH MARK.



Fig. 47.

Fig. 47 represents our New Bundy Triumph Steam Radiator which is similar in appearance to the Triumph Radiator formerly made by us, only the patterns having been enlarged, each section has $5\frac{1}{2}$ square feet of surface. Also the legs are now made arched and detachable and are shipped distinct from the Radiator, insuring safe transportation for both.

All sections have a 2-inch opening, the centre of which is 5 inches from the floor, but in the end sections a plug is placed having an eccentric tapping, and the height of the centre of the hole depends upon its size. The average height is about $4\frac{3}{4}$ inches, but this can be increased or diminished by turning the plug around. When the Radiator is set on the "one pipe" system the plug should be turned so that the hole will be at the lowest point, but with the "two-pipe" system the hole in the feed end plug should be high, while the one in the return end plug should be low, although this is not arbitrary.

THIRTY-SIX INCHES HIGH.

| Width of Legs, $8\frac{1}{2}$ inches; Sections, 8 inches. Each Section represents $5\frac{1}{2}$ feet of Heating Surface. | | | | Width of Legs, $8\frac{1}{2}$ inches; Sections, 8 inches. Each Section represents $5\frac{1}{2}$ feet of Heating Surface. | | | |
|---------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------------|--------------------------|---------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------------|--------------------------|
| LIST PRICE. Per foot, 67½ cents. Per Section, \$2.71. | | | | LIST PRICE. Per foot, 67½ cents. Per Section, \$3.71. | | | |
| Number of Sections. | Length of Radiator, Inches. | Feet of Heating Surface. | With Legs and Iron Tops. | Number of Sections. | Length of Radiator, Inches. | Feet of Heating Surface. | With Legs and Iron Tops. |
| 3 | 11 | 16½ | \$11 14 | 17 | 53 | 93½ | \$63 11 |
| 4 | 14 | 22 | 14 85 | 18 | 56 | 99 | 66 83 |
| 5 | 17 | 27½ | 18 56 | 19 | 59 | 104½ | 70 54 |
| 6 | 20 | 33 | 22 28 | 20 | 62 | 110 | 74 25 |
| 7 | 23 | 38½ | 25 99 | 21 | 65 | 115½ | 77 96 |
| 8 | 26 | 44 | 29 70 | 22 | 68 | 121 | 81 68 |
| 9 | 29 | 49½ | 33 41 | 23 | 71 | 126½ | 85 39 |
| 10 | 32 | 55 | 37 13 | 24 | 74 | 132 | 89 10 |
| 11 | 35 | 60½ | 40 84 | 25 | 77 | 137½ | 92 81 |
| 12 | 38 | 66 | 44 55 | 26 | 80 | 143 | 96 53 |
| 13 | 41 | 71½ | 48 26 | 27 | 83 | 148½ | 100 24 |
| 14 | 44 | 77 | 51 98 | 28 | 86 | 154 | 103 95 |
| 15 | 47 | 82½ | 55 69 | 29 | 89 | 159½ | 107 66 |
| 16 | 50 | 88 | 59 40 | 30 | 92 | 165 | 111 38 |

All Regular Goods Tapped 1" x ¾" "Right Hand."

A. A. GRIFFING IRON CO. BUNDY RADIATORS. JERSEY CITY, N. J.

TRADE TRIUMPH MARK.

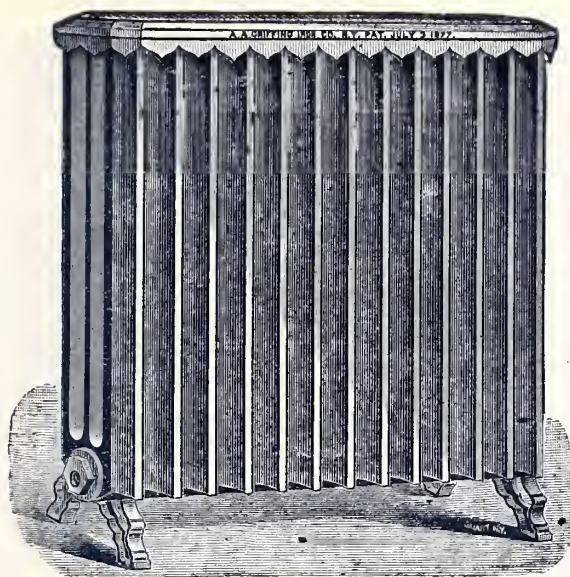


Fig. 48.

FIG. 48 represents our New Bundy Triumph Hot Water Radiator which is like our former Triumph Radiator, only the patterns having been enlarged, each section has $5\frac{1}{2}$ square feet of surface. The legs are arched and detachable and are shipped distinct from the Radiator, insuring safe transportation for both. This Radiator has a lower connecting waterway and an upper connecting air pipe.

All sections have a 2 inch opening, the centre of which is 5 inches from the floor, but in the end section a plug is placed having an eccentric tapping, and the height of the centre of the hole depends upon its size. The average is about $4\frac{3}{4}$ inches, but this can be increased or diminished by turning the plug around. The water circulates up the central and down the two outside tubes and so always has a forward motion.

THIRTY-SIX INCHES HIGH.

| Width of Legs, $8\frac{1}{2}$ inches; Sections, 8 inches. Each Section represents $5\frac{1}{2}$ feet of Heating Surface. | | | | Width of Legs, $8\frac{1}{2}$ inches; Sections, 8 inches. Each Section represents $5\frac{1}{2}$ feet of Heating Surface. | | | |
|---------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------------|--------------------------|---------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------------|--------------------------|
| LIST PRICE. Per foot, 80 cents Per Section, \$4.40. | | | | LIST PRICE. Per foot, 80 cents. Per Section, \$4.40. | | | |
| Number of Sections. | Length of Radiator. Inches. | Feet of Heating Surface. | With Legs and Iron Tops. | Number of Sections. | Length of Radiator. Inches. | Feet of Heating Surface. | With Legs and Iron Tops. |
| 3 | 11 | 16 $\frac{1}{2}$ | \$13 20 | 17 | 53 | 93 $\frac{1}{2}$ | \$74 80 |
| 4 | 14 | 22 | 17 60 | 18 | 56 | 99 | 79 20 |
| 5 | 17 | 27 $\frac{1}{2}$ | 22 00 | 19 | 59 | 104 $\frac{1}{2}$ | 83 60 |
| 6 | 20 | 33 | 26 40 | 20 | 62 | 110 | 88 00 |
| 7 | 23 | 38 $\frac{1}{2}$ | 30 80 | 21 | 65 | 115 $\frac{1}{2}$ | 92 40 |
| 8 | 26 | 44 | 35 20 | 22 | 68 | 121 | 96 80 |
| 9 | 29 | 49 $\frac{1}{2}$ | 39 60 | 23 | 71 | 126 $\frac{1}{2}$ | 101 20 |
| 10 | 32 | 55 | 44 00 | 24 | 74 | 132 | 105 60 |
| 11 | 35 | 60 $\frac{1}{2}$ | 48 40 | 25 | 77 | 137 $\frac{1}{2}$ | 110 00 |
| 12 | 38 | 66 | 52 80 | 26 | 80 | 143 | 114 40 |
| 13 | 41 | 71 $\frac{1}{2}$ | 57 20 | 27 | 83 | 148 $\frac{1}{2}$ | 118 80 |
| 14 | 44 | 77 | 61 60 | 28 | 86 | 154 | 123 20 |
| 15 | 47 | 82 $\frac{1}{2}$ | 66 00 | 29 | 89 | 159 $\frac{1}{2}$ | 127 60 |
| 16 | 50 | 88 | 70 40 | 30 | 92 | 165 | 132 00 |

All Regular Goods Tapped $1\frac{1}{4}$ " \times $1\frac{1}{4}$ " "Right Hand."

TRADE ELITE MARK.

Bundy Elite Steam Radiator.

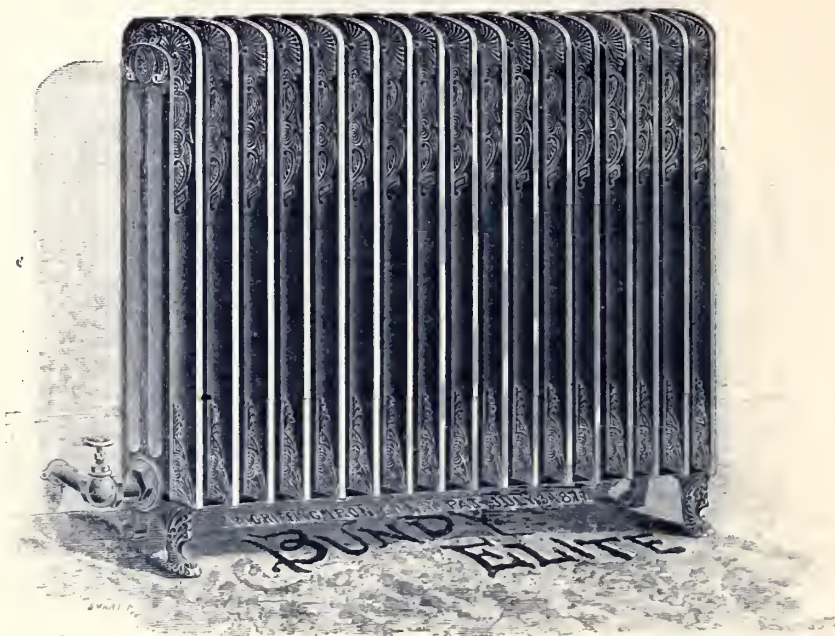


Fig. 52

FIG. 52 represents our New Bundy Elite Steam Radiator which has all the advantages of the Triumph Radiator (See page 43), as well as an ornamental Arabesque design which is in perfect keeping with the furnishing of any apartment.

The motion of the steam is up the central and down the two outside tubes, there being no diaphragms to interfere with positive circulation. The legs are arched and detachable, and the Radiators can be shipped knocked down to be built up when wanted. All sections are duplicates; no "heads" or "tails" among them, and one section, which is enough for a bath room or small apartment, circulates as perfectly standing alone as when used with others.

THIRTY-SIX INCHES HIGH.

| Width of Legs, 8½ inches; Sections, 8 inches. Each Section represents 5½ feet of Heating Surface. | | | | Width of Legs, 8½ inches; Sections, 8 inches. Each Section represents 5½ feet of Heating Surface. | | | |
|---------------------------------------------------------------------------------------------------|-----------------------------|--------------------------|-----------------------|---------------------------------------------------------------------------------------------------|-----------------------------|--------------------------|-----------------------|
| LIST PRICE. Per foot, 72½ cents. Per Section, \$3.99. | | | | LIST PRICE. Per foot, 72½ cents. Per Section, \$3.99. | | | |
| Number of Sections. | Length of Radiator, Inches. | Feet of Heating Surface. | With Detachable Legs. | Number of Sections. | Length of Radiator, Inches. | Feet of Heating Surface. | With Detachable Legs. |
| 3 | 11 | 16½ | \$11 96 | 17 | 53 | 261½ | \$97 79 |
| 4 | 14 | 22 | 15 95 | 18 | 56 | 299 | 71 78 |
| 5 | 17 | 27½ | 19 94 | 19 | 59 | 336½ | 75 76 |
| 6 | 20 | 33 | 23 93 | 20 | 62 | 374 | 79 75 |
| 7 | 23 | 38½ | 27 91 | 21 | 65 | 411½ | 83 74 |
| 8 | 26 | 44 | 31 90 | 22 | 68 | 449 | 87 73 |
| 9 | 29 | 49½ | 35 89 | 23 | 71 | 486½ | 91 71 |
| 10 | 32 | 55 | 39 88 | 24 | 74 | 524 | 95 70 |
| 11 | 35 | 60½ | 43 86 | 25 | 77 | 561½ | 99 69 |
| 12 | 38 | 66 | 47 85 | 26 | 80 | 600 | 103 68 |
| 13 | 41 | 71½ | 51 84 | 27 | 83 | 637½ | 107 66 |
| 14 | 44 | 77 | 55 83 | 28 | 86 | 675 | 111 65 |
| 15 | 47 | 82½ | 59 81 | 29 | 89 | 712½ | 115 64 |
| 16 | 50 | 88 | 63 80 | 30 | 92 | 750 | 119 62 |

All Regular Goods Tapped 1' x ¾" "Right Hand."

TRADE ELITE MARK.

Bundy Elite Hot Water Radiator.

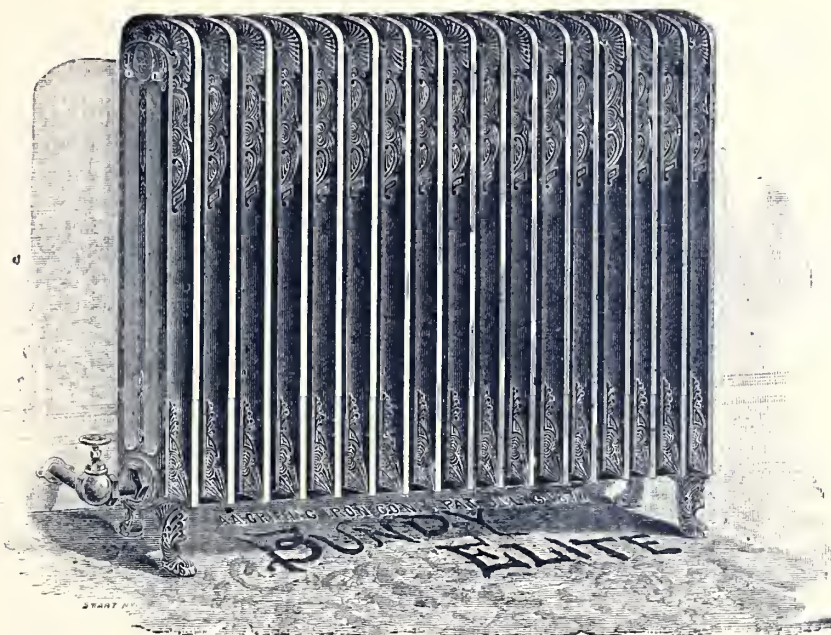


Fig. 53.

FIG. 53. represents our New Bundy Elite Hot Water Radiator which has both upper and lower connecting water ways and three pipes to each section, which insures positive circulation and best results. All sections have $5\frac{1}{2}$ square feet of radiating surface and are interchangeable, being duplicates. The legs are separate from the radiator and can be readily set to any desired section, and in shipping they are packed distinct for safe transportation.

This Three-way Radiator has no diaphragms to check the flow of the water, which, upon entering the Radiator, passes up the central and down the two outside tubes of the first section and so on through each section until the return pipe is reached. It will be noticed that the water renders a large amount of surface effective while traveling a comparatively short distance, and so its temperature is but slightly lower at the return pipe near the boiler than at the feed, and therefore less fuel is needed to reheat the water.

This Radiator is formed of arcs of a parabola (see page 43), has an Arabesque design, and is an ornament for even the most costly apartment.

THIRTY-SIX INCHES HIGH.

| Width of Legs, $8\frac{1}{2}$ inches; Sections, 8 inches. Each Section represents $5\frac{1}{4}$ feet of Heating Surface. | | | | Width of Legs, $8\frac{1}{2}$ inches; Sections, 8 inches. Each Section represents $5\frac{1}{4}$ feet of Heating Surface. | | | |
|---------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------------|-----------------------|
| LIST PRICE. Per foot, 85 cents. Per Section, \$4.68. | | | | LIST PRICE. Per foot, 85 cents. Per Section, \$4.68. | | | |
| Number of Sections. | Length of Radiator. Inches. | Feet of Heating Surface. | With Detachable Legs. | Number of Sections. | Length of Radiator. Inches. | Feet of Heating Surface. | With Detachable Legs. |
| 3 | 11 | 16 $\frac{1}{2}$ | \$14 03 | 17 | 53 | 93 $\frac{1}{2}$ | \$79 48 |
| 4 | 14 | 22 | 18 70 | 18 | 56 | 99 | 84 15 |
| 5 | 17 | 27 $\frac{1}{2}$ | 23 33 | 19 | 59 | 104 $\frac{1}{2}$ | 88 83 |
| 6 | 20 | 33 | 28 05 | 20 | 62 | 110 | 93 50 |
| 7 | 23 | 38 $\frac{1}{2}$ | 32 73 | 21 | 65 | 115 $\frac{1}{2}$ | 98 18 |
| 8 | 26 | 44 | 37 40 | 22 | 68 | 121 | 102 85 |
| 9 | 29 | 49 $\frac{1}{2}$ | 42 08 | 23 | 71 | 126 $\frac{1}{2}$ | 107 53 |
| 10 | 32 | 55 | 46 75 | 24 | 74 | 132 | 112 20 |
| 11 | 35 | 60 $\frac{1}{2}$ | 51 43 | 25 | 77 | 137 $\frac{1}{2}$ | 116 88 |
| 12 | 38 | 66 | 56 10 | 26 | 80 | 143 | 121 55 |
| 13 | 41 | 71 $\frac{1}{2}$ | 60 78 | 27 | 83 | 148 $\frac{1}{2}$ | 126 23 |
| 14 | 44 | 77 | 65 45 | 28 | 86 | 154 | 130 90 |
| 15 | 47 | 82 $\frac{1}{2}$ | 70 13 | 29 | 89 | 159 $\frac{1}{2}$ | 135 58 |
| 16 | 50 | 88 | 74 80 | 30 | 92 | 165 | 140 25 |

TRADE BUNDY MARK.

Bundy Bronze Powder and Bronzing Liquid.

BUNDY BRONZE POWDER.

After repeated tests and experiments with all kinds and qualities of Bronze we take pleasure in offering the public our Bundy Bronze Powder, which we guarantee to be the best adapted of any for hot surfaces. All cheap Bronzes, and many of the more expensive brands, tarnish quickly, turning to a dull brass color as soon as heat is applied, but the Bundy Bronzes are manufactured expressly for use on hot Radiators and so retain their lustre perfectly. When a cheap Bronze is used the process of ornamentation requires frequent repetition, engendering loss of time and bronze; in fact the Bundy Bronze, originally applied, costs less and the Radiators always present an elegant appearance. Also, many Bronzes impair considerably a Radiator's efficiency, which is wholly avoided by using the Bundy Bronze. In ordering Radiators we can estimate the quantity of Bronze that will be required to ornament them, and, when requested, will do so, and forward all together, thus saving our customers extra transportation expense and the annoyance of writing a special order.

* SHADES OF BUNDY BRONZE. *

* PALE GOLD.

GOLD COLOR.

* SILVER.

* COPPER.

RICH GOLD.

LEMON.

GREEN.

CRIMSON.

GREEN GOLD.

ORANGE.

FLESH.

FIRE.

*GENERALLY USED.

PUT UP IN PAPER PACKAGES OF ONE POUND EACH. PRICE \$2.50 PER POUND.

BUNDY BRONZING LIQUID.

FIG. 54 REPRESENTS THE

BUNDY BRONZING LIQUID,

WHICH UNLIKE ALL OTHERS, EMITS LITTLE OR NO ODOR WHEN APPLIED TO A HOT SURFACE, BEING STRICTLY PURE. IT IS AS IMPORTANT TO HAVE A GOOD BRONZING LIQUID AS GOOD BRONZE, AND THERE IS NONE SO PERFECT AS THE BUNDY BRAND.

PUT UP IN

Gallon, Half-Gallon and Quarter-Gallon Cans.

PRICE \$3.50 PER GALLON.

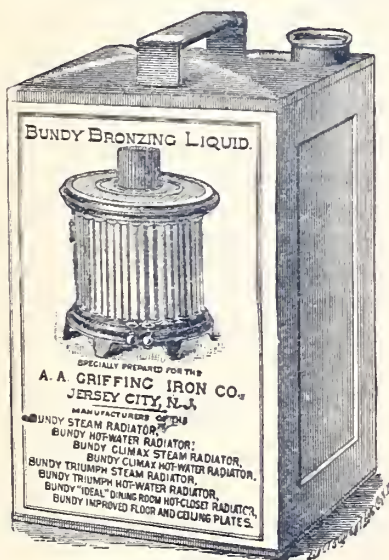


FIG. 54.

DIRECTIONS FOR APPLYING BUNDY BRONZE.

Place the Radiator, if possible, where it is to remain when bronzed and see that it is free from dust, dirt, oil, rust or any unevenness, which may be removed with cloth, piece of sand paper, or better still, emory paper or file. If convenient, a good method of removing oil from the Radiator is to admit steam when it will soon evaporate. When the Radiator is thus prepared, give it a priming or sizing coat of very thin paint made of the best standard grade of white lead and turpentine, or naphtha or any other volatile liquid. Mix this to about the consistency of water, and, unless silver bronze is used, stain it with a little yellow ochre. The point is to get as little and not as much paint on the Radiator as possible.

When the priming coat is thoroughly dry, mix the Bundy Bronze with the Bundy Bronzing Liquid in the proportion of about one pint of liquid to one pound of bronze, and apply evenly with a fine camel's hair brush, taking care to brush always in the same direction, either up or down, but never both. If convenient have the Radiator just warm while being bronzed and do not apply so much bronze that it will run.

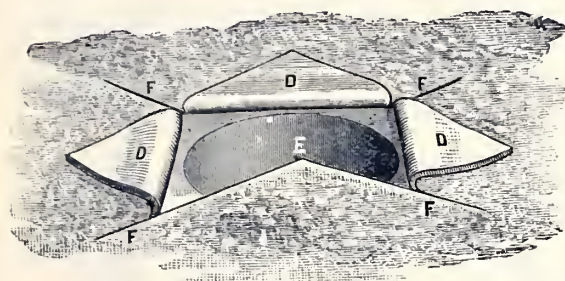
Ordinarily one pound of Bundy Bronze with a pint of Bundy Bronzing Liquid will cover 100 square feet of surface, but this largely depends upon the skill with which it is applied.

TO APPLY BRONZE WHEN DRY.

Give the Radiator, when barely warm, a medium thick coat of Bundy Maroon Laquer, and before it gets perfectly dry, apply the Bundy Bronze Powder with a Chamois skin or camel's hair brush. Rub the bronze on evenly making as light a coat as possible.

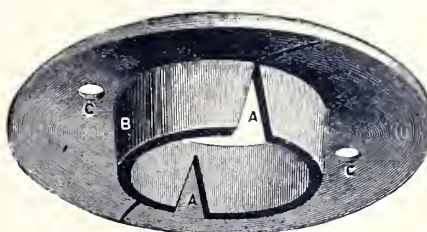
This method of applying bronze does not seem to give as general satisfaction as that where the Bronzing Liquid is used, as the latter can be successfully applied by a novice.

Bundy Improved Floor and Ceiling Plates.



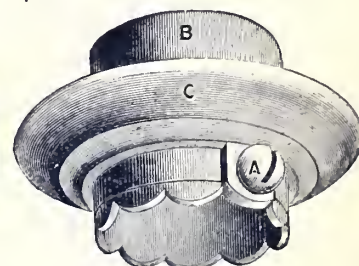
CARPET CUT FOR FLOOR PLATE.

Fig. 1.



FLOOR PLATE.

Fig. 2.



CEILING PLATE

Fig. 3.

The **Bundy Improved Floor and Ceiling Plates** possess advantages strongly commending their use and we solicit your orders.

FIG. 1 shows the carpet cut on the lines (F) exposing to view the hole (E) in which the sleeve (B) of the Floor Plate rests. The carpet points (D) are turned back and lie concealed in the concave part of the Floor Plate. This obviates all damage to the carpets, as the displaced parts perfectly resume their natural position when desired.

The Floor Plate, FIG. 2, is of cast iron and is usually set in one piece, however, when necessary, it can be easily broken by a blow from a hammer, owing to the two slots (A) in its sleeve. When so broken the fracture is irregular and fits so closely as not to be detected, the plate being held firmly in position by plain or nickel plated screws corresponding with its finish. These screws should pass through the holes (C) and lines (F) where the carpet is cut doing it no injury.

The Ceiling Plate, FIG. 3, is also of cast iron and has a set screw (A) which holds it in position. The sleeves (B) in both Ceiling and Floor Plates are of regulation length and thickness and are approved by all Insurance Underwriters.

PRICE LIST.

| SIZE IN INCHES. | $\frac{3}{4}$ | 1 | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 3 | 4 |
|------------------------------|---------------|--------|----------------|----------------|--------|----------------|--------|--------|
| Floor Plates, Plain, . . . | \$.11 | \$.14 | \$.16 | \$.18 | \$.21 | \$.25 | \$.30 | \$.37 |
| „ „ Nickel Plated, . . . | .29 | .32 | .34 | .36 | .39 | .43 | .48 | .55 |
| Ceiling Plates, Plain, . . . | .20 | .25 | .29 | .32 | .38 | .43 | .50 | .58 |
| „ „ Nickel Plated, . . . | .40 | .45 | .49 | .52 | .58 | .63 | .70 | .78 |

TRADE BUNDY MARK.

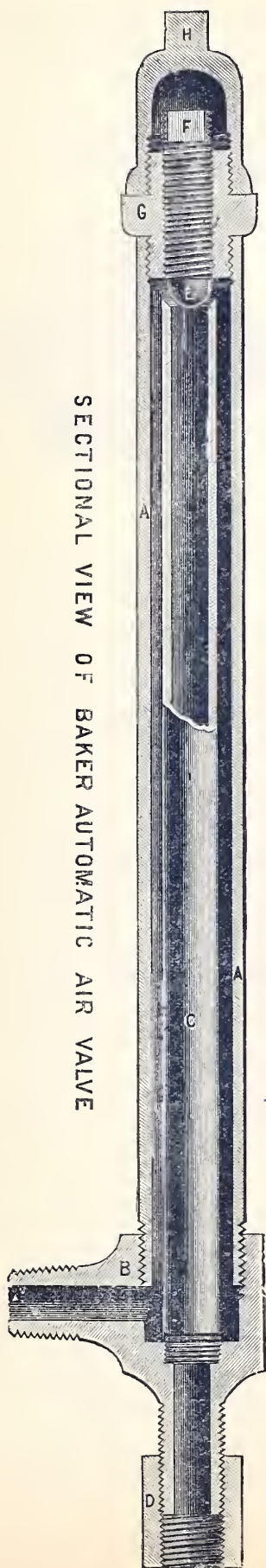
AUTOMATIC Air Valves.

THIS Air Valve has but recently been offered to the Trade with the improvements that past experience in practical use for years has suggested.

It is very sensitive; is adapted to all kinds of work and is very superior for large Radiators where other air valves fail.

When once adjusted is not liable to get out of order owing to the peculiar construction of seat of valve and cannot be carelessly put out of adjustment. It commends itself therefore to Architects and Steam Fitters, and should be included in all steam-heating specifications.

SECTIONAL VIEW OF BAKER AUTOMATIC AIR VALVE



No. 1.



No. 2.



No. 3.

FOR INDIRECT RADIATOR.

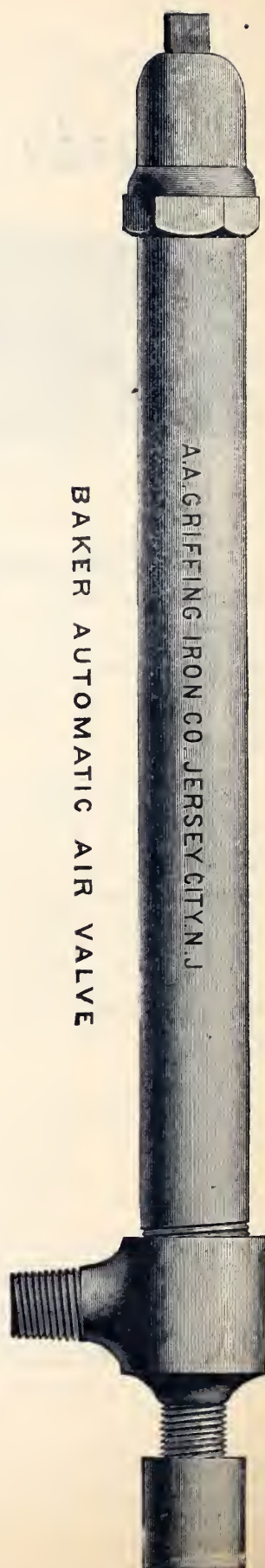
PRICE LIST.

| | No. 1. | No. 2. | No. 3. |
|-------------|--------|--------|--------|
| Bronzed, - | \$1.00 | \$1.00 | \$0.75 |
| Plated, - - | 1.25 | 1.25 | 1.00 |

MANUFACTURED BY

A. A. GRIFFING IRON CO.

BAKER AUTOMATIC AIR VALVE



No. 1.

TRADE BUNDY MARK.

Elite, Triumph and Climax Supplies.

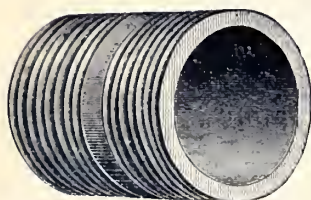


FIG. 45.

ELITE AND TRIUMPH NIPPLE.

Fig. 45 represents the Nipple used in the Elite and Triumph Radiators. It is made of extra strong 2" wrought iron pipe, with carefully cut Right-Hand threads at both ends, and is as near perfect as the latest and most improved machinery can make them.

List Price, 35 Cents.

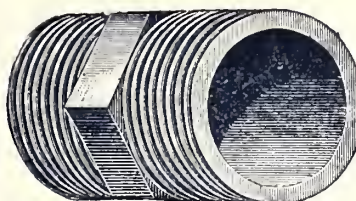


FIG. 45 1/2.

CLIMAX NIPPLE.

Fig. 45 1/2 represents the Climax Nipple. It is made of cast iron, extra heavy, with carefully cut threads, Right-Hand on one end and Left-Hand on the other.

List Price, 35 Cents.

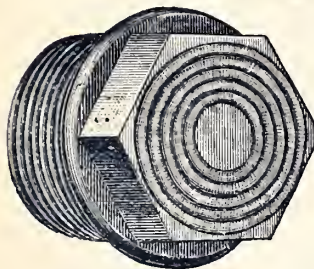


FIG. 46.

ELITE, TRIUMPH AND CLIMAX PLUG.

Fig. 46 represents the Plug used in the Elite, Triumph and Climax Radiators. It is made of cast iron, extra heavy, with carefully cut threads, and is ornamental. All Elite and Triumph Plugs have Right-Hand threads, but half the Climax Plugs have R. H., and half L. H., threads. Unless otherwise ordered R. H., Plugs will always be sent. All plugs have 2" standard pipe threads.

List Price, 30 Cents.

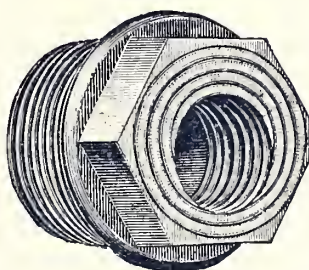


FIG. 58.

ELITE, TRIUMPH AND CLIMAX BUSHING.

Fig. 58 represents the Bushing used in the Elite, Triumph and Climax Radiators. It is made of cast iron, extra heavy, with carefully cut threads, and is ornamental. All Elite and Triumph Bushings have Right-Hand threads entering the Radiator, but half the Climax Bushings have R. H., and half L. H., threads. Unless otherwise ordered R. H., Bushings will always be sent. All bushings have 2" standard pipe threads and reduce with either R. H. or L. H. threads, to such size as may be specified, but when nothing is stated, one-half will be sent 2"x1", and half 2"x3/4", all R. H. threads. The smaller

hole is tapped eccentric, insuring perfect drainage of the Radiator.

List Price, 35 Cents.

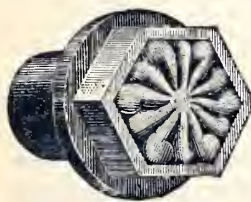


FIG. 59.

ELITE TOP NUT.

Fig. 59 represents the Top Nut used in the Elite Hot Water Radiator. It is made of cast iron, extra heavy, and ornamental, and has carefully cut threads to fit the connecting rod, (Fig. 63,) which passes through the Radiator.

List Price, 25 Cents.

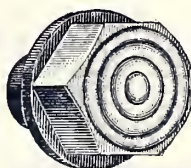


FIG. 60.

TRIUMPH TOP NUT.

Fig. 60 represents the Top Nut used in the Triumph Hot Water Radiator. It is made of cast iron, extra heavy, and ornamental, and has carefully cut threads to fit the connecting rod, (Fig. 63,) which passes through the Radiator.

List Price, 25 Cents.

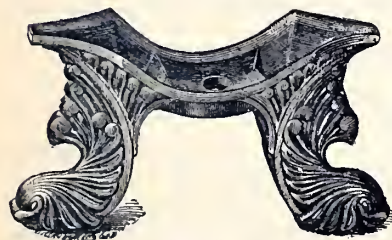


FIG. 61.

ELITE AND TRIUMPH LEG.

Fig. 61 represents the Elite and Triumph Leg. It is made of cast iron, extra heavy, and ornamental, and can be attached to any Elite or Triumph section by use of a Hexagon Head Tap Bolt, (Fig. 62).

List Price, 60 Cents.

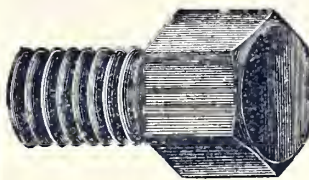


FIG. 62.

HEX. HEAD TAP BOLT FOR ELITE AND TRIUMPH LEG.

Fig. 62 represents the Hexagon Head Tap Bolt used in fastening the Elite and Triumph Legs to the Radiator. They are made of the most refined iron, 1/2 inch diameter, and have carefully cut threads to fit the Radiator.

List Price, 10 Cents.



FIG. 63.

ROD FOR HOT WATER ELITE AND TRIUMPH RADIATORS.

Fig. 63 represents the Rod used in the Hot Water Elite and Triumph Radiators. It is made of the most refined iron, 1/2 inch diameter, and has carefully cut threads to fit the Top Nuts, (Figs. 59 and 60).

List Price, per Section, 5 Cents.

In furnishing Elite and Triumph Radiators in sections, knocked down, *ten sections will be considered a Radiator*, and if for steam nine nipples, two legs and two machine screws will be sent; if for hot water, nine nipples, two legs, two machine screws, two top nuts and one rod will be sent. Additional supplies will be charged for extra.

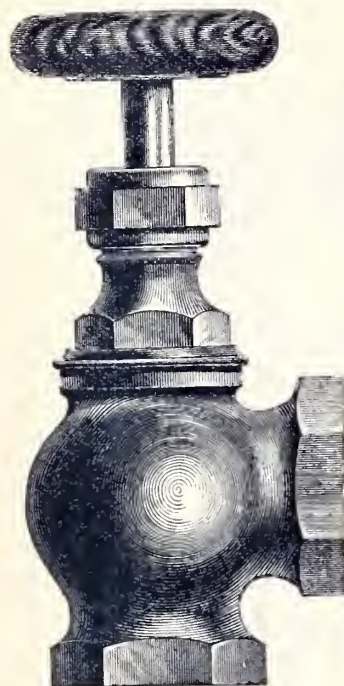
In furnishing the Climax Radiators in sections, knocked down, either for steam or hot water, *six sections will be considered a Radiator*, and ten nipples will be sent. Additional supplies will be charged for extra.

NOTICE.—All the features in these supplies are fully covered by United States and Canadian patents, and we caution parties not to infringe on our rights.

TRADE BUNDY MARK.

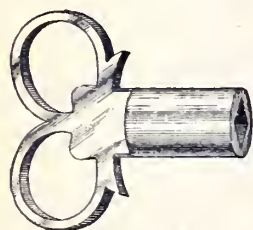
RADIATOR VALVES.

LIST PRICES.

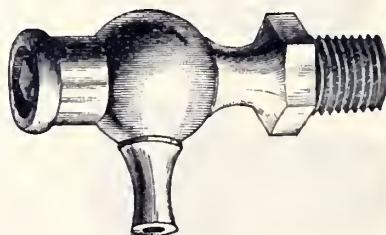


| Size | | | $\frac{1}{2}$ | $\frac{3}{4}$ | 1 | 1 $\frac{1}{4}$ | 1 $\frac{1}{2}$ | 2 |
|--------------------------------------|-----------------------------|--------------------|---------------|---------------|------|-----------------|-----------------|-------|
| Rough Body, Plain | Wood Wheel or T Handle. | | 1 35 | 1 60 | 2 25 | 3 25 | 4 50 | 7 00 |
| " " Plated Trimmings | | | 1 55 | 1 85 | 2 50 | 3 50 | 4 80 | 7 50 |
| " " Plated all over | | | 1 65 | 1 95 | 2 65 | 3 70 | 5 00 | 7 75 |
| Finished " Plain | | | 1 85 | 2 15 | 2 85 | 4 00 | 5 50 | 8 50 |
| " " Plated all over | | | 2 15 | 2 50 | 3 25 | 4 45 | 6 00 | 9 25 |
| Rough Body, Plain | Wood Wheel with Union. | | 2 05 | 2 45 | 3 25 | 4 50 | 6 50 | 10 00 |
| " " Plated Trimmings | | | 2 20 | 2 60 | 3 35 | 4 90 | 6 65 | 10 25 |
| " " Plated all over | | | 2 40 | 2 85 | 3 65 | 5 05 | 7 10 | 10 85 |
| Finished " Plain | | | 2 55 | 3 00 | 3 85 | 5 25 | 7 50 | 11 50 |
| " " Plated all over | | | 2 90 | 3 40 | 4 30 | 5 80 | 8 10 | 12 35 |
| Rough Body, Finished Trimmings | Male or Female Union. | With Jenkins Seat. | 2 00 | 2 50 | 3 20 | 4 50 | 6 25 | 10 50 |
| Finished all over | | | 2 50 | 3 00 | 3 75 | 5 25 | 7 25 | 11 75 |
| Rough Body, Plated Trimmings | | | 2 25 | 2 70 | 3 50 | 4 75 | 6 50 | 10 75 |
| " " all over | | | 2 50 | 2 85 | 3 65 | 4 90 | 6 75 | 11 00 |
| Finished and Plated all over | | | 2 85 | 3 10 | 4 00 | 5 40 | 7 75 | 12 25 |
| Rough Body, Finished Trimmings | Male or Female Union. | With Jenkins Seat. | 2 75 | 3 50 | 4 30 | 5 85 | 7 75 | 12 60 |
| Finished all over | | | 3 20 | 4 00 | 4 80 | 6 40 | 8 75 | 13 85 |
| Rough Body, Plated Trimmings | | | 3 00 | 3 75 | 4 65 | 6 25 | 8 00 | 12 85 |
| " " all over | | | 3 20 | 3 80 | 4 75 | 6 40 | 8 10 | 13 10 |
| Finished and Plated all over | | | 3 25 | 4 25 | 5 25 | 7 00 | 9 25 | 14 35 |

NOTICE.—We are in a position to sell the "Perfect" (see page 82) and Vulcanized Asbestos Disc (see page 97) Radiator Valves at bottom manufacturers' prices.



KEY.
Fig. 55.



PET COCK.
Fig. 56.

BUNDY SAFETY POSITIVE PET COCK

CANNOT BE OPERATED WITHOUT THE KEY.

NO CHILD CAN TAMPER WITH IT.

NO MORE SPOILED CARPETS.

NO MORE SOILED CEILINGS.

NO MORE DAMAGED FURNITURE.

A NICKEL-PLATED KEY IS FURNISHED WITH EACH DOZEN.

EXTRA KEYS 15 CENTS EACH.

PRICE \$6.00 PER DOZEN.

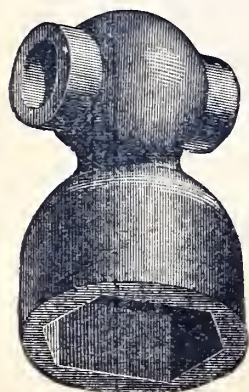


Fig. 57.

BUNDY LOOP WRENCH.

Fig. 57 represents the Bundy Loop Wrench, used in connecting the Bundy Loops and Base. It is made of the best steel; will fit any style or height of Loop, and the hole in the top of the Wrench is made to take $\frac{3}{4}$ inch bar iron. Users of the Bundy Radiator will find this a very handy tool to have and every Steam Fitter should include one in his kit.

LIST PRICE, \$3.00.

References.

ALABAMA.

Anniston.

Anniston Iron Co.
Woodstock Iron Co.

Birmingham.

Aiken & Lighton.

Mobile.

United States Custom House.
United States Post Office.

ARKANSAS.

Fort Smith.

Park, J. S., Cashier 1st National Bank.

CALIFORNIA.

Los Angeles.

Scott, J. W.

San Francisco.

Day, Thos. & Co.
Harvey, C. D.

Santa Monica.

Scott, J. W.

Stockton.

Insane Asylum.

CANADA.

Hamilton.

Gurney, E. & C. Co.
Squibb, Frank.

Montreal.

Bank of Montreal.
Gurney, E. & C. Co.
Standard Insurance Building.

Toronto.

Boone, William.
Burroughs, W. J.
Carrick, W. H.
Church of Our Lady Immaculate.
Cluthie, C.
Clafne, Schlect & Field.
Dimmick, C. R. S.
Gurney, E. & C. Co.
Manning's Arcade.
McKay, Donald, residence.
McGuire, W. J. & Co.
Sellars, Chas.

South Bend.

Oliver Opera House.

St. Johns, N. B.

Gear & Co.
Wisdom & Fish.

COLORADO.

Canon City.

Penitentiary Building.

Colorado Springs.

Colorado Springs School.
Cutler's Hotel.
Lincoln School.
Merrill, W. H. D.
Robinson, F. E., residence.

Denver.

Albany Hotel.
Badgely & Watkins.
Barclay Block.

Butterfield Block.

Chain & Hardy.

Cleever Block.

Clayton Block.

Daniels & Fisher, store.

Davis, Cresswell & Co.

Denver National Bank.

Eddy, Edward.

First National Bank.

Fishel Bros. & Wise.

Halleck & Howard Block.

McCarthy & Inness.

Moffatt, D. H.

National Tube Works.

Reilley, C. J. & Co.

Rogers, J.

Sisters' Hospital.

Union Pacific Hospital.

Glenwood Springs.

Glenwood Springs Hotel.

Manitou.

Iron Springs Hotel.

Salida.

Denver & Rio Grande R. R. offices.

Salina.

D. R. S., offices.

CONNECTICUT.

Ansonia.

Batholomew, Dana.
Billam, S. H.
Clemens, F. & M. Co.
Gilpin, Joseph, residence.
Hobday, J., residence.
Hitchcock, Dr. M. C.
Jackson, John, residence.
Jackson, Martin, residence.
Moore, Chas., residence.
Slade, William, residence.
Sceneller, Geo. W. O.
Somers, David.
Tooles, H. B.
The Electrical Supply Co.

Birmingham.

Arnold, Geo. A., residence.
Atwater, Chas. E., residence.
Atwater, W. C., residence.
Baldwin, N. D., residence.
Bassett, T. S., two houses.
Bassett, D. M.
Birmingham Iron Foundry.
Birmingham Public School.
Brinsmade, D. S.
Clark, D. N.
DeForrest, H. S., residence.
Derby Gas Co., office.
Derby Savings Bank.
Derby Silver Co., office.
Downes, William E.
Downes, C. N.
Downes, S. A.
Flaherty, M.

Flanket, M. F.

Hallock, F.

Kennedy, Rev. P. M.

Kelley, D. H., store.

Kraus, L. & Co.

Lewis, Jr., E.

Loomer, L. L.

Maltby, E. C. & Son.

Miller, W. J.

Perry, F. G.

Plumb, D. W.

Radcliffe, Thos., residence.

Roberts, H. J.

Shelton & Co., shop.

Shelton, E. N.

Skelton Public School.

Smith, A. R.

Smith, E. S.

Sterling, C. A.

Sterling Organ Co.

St. Mary's Church and Parsonage.

Torrance, David.

Turney, G. H.

Wilkinson, William, two houses.

Bridgeport.

Armstrong, F. Mfg Co.
Atwater, Henry.
Bridgeport Steam Boat Co.
First National Bank.
Goodsell, Zalmon.
Hillside Seminary.
High School Building.
Howland & Drouve.
Hopkins, Alfred.
New Fire Department Building.
Longstaff, G. W.
People's Savings Bank.
Perry, W. H., Treasurer W. & W. S. Mach. Co
Silliman, Fred'k.
St. John's Church.
Stackpole & Lahan.
Strang, Dr. C. W.
Van Keuran, Louis.
Waldo, Geo. C.
Wilson, Dr. L. M.

Bristol.

Bristol Brass & Clock Co.

Danbury.

Crofut, Henry, residence.
Hopkins, Le Grand, residence.
Ives, J. M., The, Co.
Jones, Timothy.
New City Hall.
New Street Public School.
Town Club House.
Treadwell, L. P. Block.
Wildman, A. N., residence.
United Bank Building.

Danielsonville.

Danielsonville Cotton Co.

Quinebaug Co.

Dayville.

Hopkins, T. E.

References.

East Haven.

Chamberlain, A. L.
Malory, Lester P.
Malory, James.
Smith, Henry, residence.

Fair Haven.

Bishop, F. F., residence.
Quinpear Brewing Co.
Smith, Henry, residence.
Sister Mullory.

Falls Village.

Brown, A. L. & Son.

Greenwich.

Sterling Foundry Co.
Olds & Whipple.

Hartford.

Lawler, E.
Pitken Bros. & Co.
Schuyler Electric Light Co.
St. Patrick's Church.
Trinity College.

Manchester.

Luther, Spencer.
Wadsworth, David, residence.

Meriden.

Reiley, R. J.

Naugatuck.

Fagan, Rev. James.
Town, Hall.
Tuttle, B. B., residence.

New Hartford.

Smith, Henry T.

New Haven.

Anderson, J. C., Savin Rock.
Atwater, E. B., residence.
Burwell, M. W., residence.
Candee, L. & Co.
Convent of the Sisters of Mercy.
Durham, P. C., 4 houses.
Fenn, Wallace B., store.
Foskett & Bishop.
Herz, Henry, store.
Meegs & Co., store.
Mersick, C. S. & Co.
Rowland, F. C. & A. E., store.
Second Regiment Armory.
Skelton, B. G., store.
Sperry & Barnes, store.
Strong, Hart & Barnes, store.
Steamer "Emily Mansfield."
Steamer "J. P. Thomas."
St. Patrick's Church.
St. Patrick's Pastoral Residence.

New London.

Armory.
Lewis, Leander.
Mersick, C. B. & Co.
Newman & Cronin.
Palmer, E. A.
Palmer, E. L.
Rodgers, George P.

Norwalk.

Fairfield Co. Bank.
Hayatt, James.

Kinney, J. D., residence.
Lockwood, Maurice De F.
Lockwood, Miss Julia.
Thomas, W. G.
Warner, Hon. Levi.

Plainville.

Beard, J. W.

Putnam.

Houghton, A.
Kent, B. M.
Leavens, A.
Le Clair, P. M.
Putnam Foundry and Machine Corporation.
Stoddard, Seth.
Whitemore, William.

Sandy Hook.

Curtis, S.

Seymour.

French, Carlos.

Stamford.

Collender, H. W., residence and factory.
Hoyt, Jos. B.
Hurlburt, Dr. A. M.
St. John's Church.
Stamford National Bank.
Stark & Wilson.
Vail, J. E., Jr.
Watson, A. H.

Waterbury.

City Hall.
Daly, M. J.
St. Margaret's School.
St. Patrick's Church.
State Armory.

Winsted.

Adams, H. O.
Herman, S. A.

DELAWARE.

Dover.

Hotel Richardson.
Richardson, Henry, residence.

Wilmington.

Gawthrop & Bro.
Harlan & Hollingsworth Co.
Miller & Jenkins.
New Castle Co. Court House.
New Castle Insane Asylum.
Penna. R. R. Depot.
Public School, No. 16.
Remington Machine Co.
Stewart & Jones.
Stone, G. W.
Wilmington Mills Manufacturing Co.
Wilmington Skating Rink.
Wilmington Trust and Safe Deposit Co.

DISTRICT OF COLUMBIA.

Washington.

Adams, Henry, residence.
Agricultural Building.
Alboughs Grand Opera House.
Analostaw School.
Arlington Fire Insurance Building.
Art Gallery

Ball, C. G. & Son.
Ballentine, William, residence.
Brown, Col. W. L.
Bureau of Education.
Bell, Prof. A. Graham, residence.
Children's Hospital.
Clark, General, residence.
Columbia Institute.
Calverly, Edward, & Co.
Columbia Preparatory Department.
Columbia University.
Capsland, M., residence.
Corcoran Building.
Deaf and Dumb Asylum.
Dent, Edward L. & Co.
Department of Justice Building.
Dominican Convent.
Ebbitt House.
Entwistle, Thos. B.
Evans, John O., building.
Evans, John O.
Falamager, H. H., residence.
Ferguson, Cal., residence.
Fitzgerald, N. W., & Co.
Franklin School Building.
Garfield Memorial Hospital.
Gibson Bros.
Glover Building.
Government Hospital for Insane.
Harris House.
Hay, Hon. John, residence.
Hayward & Hutchinson, three stores.
Herr, Austin, residence.
Hove Block.
Johnson's Eating Saloon.
Leitch, R., & Sons, office.
Lincoln Hall.
Louise Home.
Lutheran Church, Penna. Ave. and 2d St.
Loyd, John, office 1308 Penna. Ave.
Mason, E. E., residence.
Mason, George, residence.
Metropolitan Club House.
Mills, Henry R., residence.
Milton Flats.
Morrison, H. F.
National Institute.
National Museum.
National Union Fire Insurance Building.
New Pension Building.
O'Brien's Hotel.
Panorama Building.
Portland House.
Quartermaster's Office.
Real Estate Title Insurance Building.
Richmond & Danville R. R. Co., offices.
Rochester, Gen., Paymaster Gen., residence.
Saks, A. & Co., store.
Sisters of Notre Dame, N, Capitol and K streets
Smithsonian Institute.
St. Dominic's Church.
Stevens, F., residence.

References.

St. Elizabeth's Insane Asylum.
 St. Joseph's Asylum.
 St. Marc's Hotel.
 St. Patrick's Church, G., and 10th Sts.
 Sullivan, T., residence.
 Summer School Building.
 Somerville, T., & Sons.
 Swain, Gen. D. G., Judge Advocate General, residence.
 The Gale's School Building.
 United States Capitol Building.
 United States Department of Justice.
 United States Interior Department.
 United States State Department Building.
 United States Treasury Building.
 United States War Department Building.
 Washington Beneficial Endowment Association.
 Washington National Republic Office.
 Washington Post Office.
 Webster School.
 Wheeler, Capt. Geo. M., residence.
 Whitney, Dr., residence.
 Whitney, Hon. W. C. residence.

ENGLAND.

London.
 Rosser & Russell, Charing Cross.
Manchester.
 Wilson, William & Co.

FLORIDA.

Jacksonville.
 Steamer, "Eliza Hancock."
 Hubbard, L. B., & Co.
Magnolia.
 Magnolia Hotel.
Palatka.
 Putnam House.
St. Augustine.
 Cruft, Isaac F.
 Cruft, J.
 St. Marco Hotel.
Tampa.
 Wells, J. H.
Winter Park.
 Seminole Hotel.

GEORGIA.

Atlanta.
 Hunnicut & Bellingrath.
 Ryan & Stockton.
Macon.
 Burke, J. W., & Co., building.
 Carling & Brown.
 Lanier House.
Milledgeville.
 Boardman, A. E.
Savannah.
 Altmayer, A. R.
Thomasville.
 Piney Wood Hotel.

IDAHO TERRITORY.

Boise City.
 Capitol Building.

ILLINOIS.

Aurora.
 First National Bank.
 Mason Bros., store.
 Mills & Sencenbaugh,
 Reeves, C. K., residence.
 Reeves, C. H., & Co.
 Smitte, B. F., residence.
Batavia.
 Kane County Alms House.
Chicago.
 Adams, J. Q., store.
 Adkins & Hoffman.
 Baker, Smith & Co.
 Baltimore and Ohio Hotel.
 Baltimore and Ohio Passenger Depot.
 Biroth, Henry, manufactory.
 Board of Trade Building.
 Bonnell, Hayes & Co.
 Chicago Maleable Iron Co., office.
 Clow, J. B., & Son.
 College of Physicians and Surgeons.
 Cook Co. Hospital.
 Cook Co. Insane Asylum.
 Cook Co. Normal School.
 Davidson, Jno. A., residence.
 Dearborn Railroad Station.
 Denier, T. C., residence.
 Exhaust Ventilator Co.
 Fisher, L. G., residence.
 Fuller & Fuller Building.
 Griffiths, A. A., residence.
 Hay & Prentice Co.
 Home Insurance Building.
 Hickey, Thos., building.
 Marmer School.
 Pitney, Fred, residence.
 Pope, Samuel I., & Co.
 Palmer House.
 Phoenix Insurance Co. Building.
 Pollard, L. D., residence.
 Pullman Palace Car Co. Building.
 Propellor "Vernon."
 Royal Insurance Co. Building.
 Ruehl, Rev. J. C.
 Ruehl, Wm., residence.
 Rice, Whitacre & Co.
 Ryerson Building.
 Scheel, Chas., residence.
 Superior Street Hospital.
 Taylor Building.
 Thiele, E., store.
 The Masury Apartments.
 Tyler, W. O., Paper Co.
 Village Hall (Hyde Park).
 Wheeler Apartments.
 Wilks, Stephen.
 Yoe, L. G. & Co., store.
Elgin.
 Church, A. B., residence.
Evanston.
 Bra-don, Dr. M. C.
 Hill, Rob't, residence.

Galesburg.
 The Forest Mfg Co.
Johnsburg.
 Catholic Church.
Joliet.
 Mehring, Rev. A., residence.
 Barrett & Sons.
 Holmes & Cady.
 St. Mary's Church.
Pullman.
 Pullman Palace Car Co.
Rockford.
 Emerson, Talcott & Co.
 Manard Bros.
INDIANA.
Burton.
 Arnold, Isaac B., residence.
Evansville.
 Insane Asylum.
Fort Wayne.
 Hattersley, A., residence.
Indianapolis.
 City Hospital.
 Farrell, J. S., & Co.
 Knight & Jillson.
 Post Office.
Lafayette.
 Tippecanoe County Court House.
Logansport.
 Insane Asylum.
Peru.
 Bunnells, Charles, residence.
Richmond.
 Eastern Hospital for Insane.
Terre Haute.
 Phoenix Foundry and Machine Co.
Valparaiso.
 Porter County Court House.
Vincennes.
 Bird & Monroe.
Wheeler Station.
 Wheeler, H. M.

IOWA.

Calmar.
 Potter, E. V., residence.
Cedar Rapids.
 Bevier, S. C., residence.
 Clark, C. H., residence.
 Coe College.
 George, A. B., residence.
 Josselyn & Taylor.
 Murray & Mullen.
 O'Hara Block.
Davenport.
 Bishop, William Stevens Perry, residence.
Emmittsburg.
 Olmsby Bros. Co., bank and office building.
Grinnell.
 West and Central Colleges.
Muscatine.
 Barry, N., & Son.
Ottumwa.
 Armstrong, W. B.
 Eaton, Daniel.
 Harrow, Albert.

References:

Leighton, A. C.
Mast, I. N.
Mast, Isaac.
Merrill, J. H., & Co.
Ottumwa Gas Light Co.
Ottumwa Iron Works.

Sioux City.

Hogan, H. T.
Sioux City Foundry and Machinery Co.

KANSAS.

Atchison.

Union Depot.

Fort Scott.

Mc Cleverty, J. L.
Union Block.

Leavenworth.

Angell, A. J.
Doherty & Everett.
Townsend, C.

Olathe.

Grange, Hall.

KENTUCKY.

Frankfort.

Court House.
Post Office.

Lexington.

Court House.
Lexington Plumbing Co.

Louisville.

Creighton & Son.

LOUISIANA.

New Orleans.

Ivens, Edmund, Sons.
Turkish Bath House.

MAINE.

Augusta.

Maine Insane Asylum.
Ward & Cogan.

Bangor.

Getchell & Co.
Leighton, Davenport & Co.
Gilbert, Howell.

Bath.

Hyde, Chas. E.
Moulton, Geo. E., Jr.

Brunswick.

Boudoin Paper Manufacturing Co.
Brunswick Town Hall.
Purinton, F. H.

Lewiston.

Greenwood, Chas.
Smith, J. B., & Co.

Portland.

Best, J. L.
Blackstone, F. N., & Co.
Chadbourne, B. F.
Cummings, Dr. George.
Eaton, Charlotte E.
Eaton, W. S.
Gibson, M. S., residence.
Gould, W. E.

Hawkins, L. P.
Leathe, J. D.
Libby, F. B.
Little, A.
Merrill, E. S.
Morse, J. C.
Mulliken, Weston F.
Payson Block.
Pennell, W. K.
Smith & Abbott.
Stanton Block.
United States Hotel.

Springvale.

Butler & Davenport.

Woodford.

Ayer, W. P.
Baxter, W. H.
Smith, George.

MARYLAND.

College Station.

Maryland Agricultural College.

Baltimore.

Register, Joshua, & Sons.
Robertson, James, & Co.
Wood, W. E., & Co.

Cumberland.

Alleghany County Court House.
Shepherd, O. C.

Emmettsburgh.

Rowe, N., & Son.
St. Joseph's Academy.

Frostburgh.

Randolph, B. J.

Hagerstown.

Bellman, Oscar.
Cushua, F. B.

Mt. Pleasant.

Crawford, L. H., residence.

MASSACHUSETTS.

Boston.

Alley, John R.
C. Brigham, & Co.
Boston Gas Light Co.
Braman, Dow & Co.
Buerkel & Co.
Chickering, Elmer, 21 West St.
Cottrell, M. F.
Dorchester Fire Insurance Co.
Engine House No. 22.
Gurney Hot Water Heater Co.
Holt, S. L.
Le Bosquet Bros.
Mansen, H.
Maynard & Irwin.
Russell & Burke.
Souther, J. K.
Weathered, George M.
Wright & Moody.

Brockton.

Jones, S. G.
Kennedy, T. J.

Cambridge.

County House.
Harvard University.
Hewes, A. H.
"Record" Building.
Sherman, W. H.

Cambridgeport.

Chandler, I. A.

Charlestown.

Charlestown Gas Co.
Hallowell Granite Co.
Smith, Wm. B.

Chelsea.

Cheney, E. R.
Foster, F. W.

Clinton.

Gibbs, A. K.
Gibbs, W. H.
Patterson, Rev. F.

Dedham.

Ames' School.

East Boston.

Blim, G. W.
Huckins, F.

Everett.

Cochrane Chemical Co.

Fisherville.

Fisher, Albert, residence.

Fall River.

Kelley, Edward.
Miller & Johnson.

Frammingham.

B. & A. R. R. Station.

Grafton.

Fisher, George, residence.
Nelson, J. S., & Son., store.
Town Hall.

Harvard.

Hildreth Bros.

Haverhill.

Cram, A. W.

Leicester.

Bigelow, W. H.
Conant, Houghton & Co.

Sayent, J. B.
Snow, J. W.

Snow, T. S.

Watson, J.

Watson, H. L.

Lynn.

Cushing, F. J.

Malden.

Barrett, O. S., residence.
Barrett, Henry O., residence.
Fisher, George.
Seary, Chas. W.
Staples, Edward, residence.

Natick.

Biglow, F.

Newburyport.

Sargent, C. R.

Neposet.

Dorchester Fire Insurance Co.

Newtonville.

Judkins, Mrs. M. F.

North Adams.

Haynes, C. B.
Hunter, A. W.
Jones, A. H.

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North Grafton.
Ne'son, J. S., & Son.

Northborough.
Chapin, E. W., & Co.

Pittsfield.
Redfield, Mrs. Chas. B.

Plymouth.
Mixer, J. W.

Rockland.
Eastman Steam Heating Co.

Salem.
Wendell, F. A.
Goodell, Z.
Millea, L. E.

South Abington.
Whidden, H. F.

South Boston.
Church of Rosary.

Southbridge.
Clemence, J. E.
Dresser, G. K.
Morse, E. T.

Spencer.
Bevens, Rev. T. D., school.

Uxbridge.
Capron, Henry.
Hayward, E.
Mowry, Mrs. L. M.
Taft, E. C.

Webster.
Bigelow, E. N.
Platt, John.
Smith, G. D.

Wellesley.
Vinal, S. L.

West Boylston.
Holbrook, E. W.

West Brookfield.
Blair, E. H., Post Office.

West Wrentham.
Davidson, Thomas, residence.

Whitinsville.
Trowbridge, C. E.

Weymouth.
Clapp, A. W.

Williamstown.
Williamstown Manufacturing Co.

Winthrop.
Belcher, E. S.
Frost, M.

Worcester.
Asylum for Chronic Insane.
Braman, Dow & Co.
Buckingham, George B.
Caldwell, H. M., residence.
Church of Sacred Heart.
City Hospital.
Convent School, Vernon St.
Convent, Sisters Notre Dame.
Daniels, F. H.
Earle, W. H.
Gorham, C. L., Piano Manufactory.
Goulding, F. P.
Hall's Block.

Harrington, G. H.
Hogg, W. J.
Kenerson, V. D.
Moen, P. L.
Pierce's Hotel.
Ray, B. S.
Safe Deposit & Trust Co.
St. Anne's Church.
St. Peter's Church & Pastorage.
Waite, R. P.
Wesson, J. E.
Whittall, M. J., office.
Winslow, S., six houses.
Worcester Carpet Co., office.
Worcester Lunatic Hospital.
Young, H. A.

MICHIGAN.

Ann Harbor.
Jewett, Samuel P., residence.

Detroit.
Detroit Metal & Heating Co.
Scattens, Daniel, residence.
Smith & Owen Heater Co.

East Saginaw.
St. Mary's Hospital.
Strasburg Building.

Flint.
Hubbard & Wager.
Phillips, P. D.

Grand Rapids.
Gray, George W.
Hansman, Hon. Julius.
Leonard, Chas.
School Buildings.
Shriver, Weatherly & Co.
Sproul & McGurrian.

Jackson.
State Penitentiary.

Kalamazoo.
Lawrence & Chapin.
Lawrence, W. T., residence.

Lapeer.
Chapman & White.
First National Bank.
Lapeer County House.

Marquette.
St. Paul's Church.
Sullivan, Mrs., residence.

Muskegon.
City Hall.
Howden, J. J.
Killup, W. M. M., residence.
Masson, L. G., residence.
Misene, C. E., residence.
New School Building.
Ranson Street School.
School No. 3.

St. Louis.
Elwell, Col. J. A.

Traverse City.
Hannah, Lay & Co.
Traverse City Jail.

MINNESOTA.

Chaska.
School Building.

Duluth.
Patten & McMillan.

Glencoe.
Gilbert, G. K.
Knight & Deane, Bank.

La Senr.
Smith, E. R., residence.

Lake City.
Gillett, H., & Son.
Masonic Hall.

Minneapolis.
Brand & Richard.
Callom Block.

Crosby, John, residence.
Levi, G. L.
Porter Steam Heating Co.
Rugg, Fuller & Co.

Owatonna.
Minnesota Academy.

St. Paul.
Fairbanks, Morse & Co.
First National Bank.
Fox, J. L., & Co.
Holland & Thompson Mfg. Co.
Merchants' Hotel.

Osborne, E. F.
Porter Steam Heating Co.
Rugg, H. P., & Co.
State Capitol.
Stickney, A. B., residence.

St. Peter.
Insane Hospital.

Stillwater.
Becker, Joseph, saloon and residence.
Clark, M. M., residence.
Folsom, Col. E. L., residence.
Grand Opera House.
Hersey, E. L., residence.
Hersey, Col. R. F., residence.
Heitman, Chas., restaurant.

Searle, J. N.
Stillwater Hardware Co.
Wabasha.
Southworth, A. B.

MISSOURI.

Columbia.
State University.

Fulton.
Deaf and Dumb Asylum.

Hannibal.
Dubach, D.

Herman.
Stark, George, residence.

Kansas City.
Centropolis Hotel,
Dunham House Drainage Co.
Elliott, H. M., & Co.
Goss Heating and Plumbing Co.
Hornbrook, E. D., & Co.
Union Depot.
Wright, M. B.

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Kirkville.
State Normal School.

North Springfield.
Perkins Water Works Mfg. Co.

Springfield.
Springfield Fdy. & Machine Co.

St. Louis.
Bank of Commerce.
Beal, P. R.
Beers, Geo. S., apartment house.
Concordia Seminary.
First Congregational Church.
Lincoln Flats.
Lindell Hotel.
Provident Savings Bank.
Public Schools.
Ripley & Kimball.
St. Louis Club House.
St. Louis Natl. Bank.
St. Louis Heating & Ventilating Co.
Sprague, J. R., & Son.
Tutt, D. G.

MONTANA.

Butte City.
De Wolfe, S.
Grix, R.
Heesch & Ellerbeck.
High School.
Leyson & Tuerk.

Helena.
Word, S.

NEW HAMPSHIRE.

Concord.
Bancroft, Dr. J. D.
Minnis & Paige.
New Hampshire Insane Asylum.
Vermont Insane Asylum.

Dover.
Cacheco Mfg. Co.

Laconia.
Busiel, Frank E.
Lawrence, E. T. & Co.
Laconia Car Co.
Newton, N. D.
Russell, N. D.

Lake Village.
Cole Mfg. Co.

Nashua.
Gay, A. E.
Jackman, C. B.
Jackman, S. S. & Co.

Westville.
Beecher, E. B.
Beecher, L. A.

NEW JERSEY.

Alloway.
Van Lier, H. S.

Arlington.
Allen, R., residence.
Allen & Heath, store.
Edmonds, J. Wesley, residence.

Green, H. C., residence.
Hathaway, J. O., residence.
Heath, W. L., residence.
Holmes, T. D., residence.
Logan, W., residence.
Rogers, W., residence.
Roome, H. R., residence.
School.

Atlantic City.
Brighton Hotel.
Haddon Hotel.
Warrington, Dr.

Asbury Park.
Coleman House.
Crowell, B., & Co.
Electric Light Works.
Grand Ave. Hotel.
Mitchell, Dr. H., residence.
Ripley, J. S.
White, Uriah, residence.
West End Hotel.

Belleville.
St. Peters R. C. Church.

Bergen Point.
McGinnis, A.

Black Mills.
Snyder, C. H.

Bloomfield.
Bancroft, J. M.
Ellers, E.

Bound Brook.
Bound Brook Hotel.
Close, M. H.

Branchport.
Monroe Hotel.

Bridgeton.
Anderson, M.
West Side Mach. Co.

Brighton.
Allen, William, residence.
Bright, B. T., residence.
Buck, Robert, residence.
Coyle, Rev. L. E., residence.
Cumberland County Alms House.
Cumberland National Bank.
Cumberland Nail & Iron Co.
Garrison, Prof. W. O., residence.
Hohenstal's Hotel.
Minch, F. B.
McGear, H. H.
McGear, Chas. P.
Nixson, W. G.
West Presbyterian Church.
Woodruff, W. H.

Camden.
Camden & Atlantic R. R., office.
West Jersey R. R., office.

Cedarville.
Bateman, Dr. E. R.

Cape May.
Allen, Geo. W., cottage.

Closter.
Hildeck, Alfred.

Convent Station.
St. Elizabeth's Academy.

Dayton.
Reynolds, J. R.

Deekertown.
Mills & Adams.
Wilson, C. A.

Dover.
Baker, W. H., building.
Public Schools.
Richards, Geo., & Co., 2 buildings.
Shepherd, Rev. J. A.
Simpson, J. H.
The Union Bank.

Edgewater Park.
Hinnners, E. H., & Co., factory.
Hinnners, E. H., residence.

Elizabeth.
Breidt, Peter, residence.
St. Patrick's Church.
Stearns, W. W., Supt. C. R. R. of N. J.

Englewood.
Bliss, Delos, residence.
Freudenthal, I., residence.

Flemington.
Humphrey, Lambert, hotel.
Shields, Capt. John, residence.

Greenville.
Dominican Convent.

Greenwich.
Stathams, D. J.

Hackettstown.
Drake, W. N.

Hackensack.
Conklin, P. L., residence.
Harris, C. H.

Harrison.
Sacred Heart Convent.

Hibernia.
Richards, Beach & Co.
Richards, Geo. & Co.

High Bridge.
Eaton, J. H.

Hoboken.
Academy of the Sacred Heart.
American Lead Pencil Factory, 5th & Clinton Sts.
Canfield, H., P. R. R.
Church of Our Lady of Grace.
City Hall.
First National Bank, Newark & Hudson Sts.
Hoboken Land and Improvement Co.
Otz, E., silk mills.
Public School No. 8.
Reed Bros., building 89 Washington St.
Round House, D. L. & W. R. R.
St. Michael's Monastery.
Sinclair, G. M., No. 34 4th St.
Timken, H. L., hotel.
Vanderbeck, H. A., 145 Willow Ave.

Jersey City.
Battin, Rev. S. H.
Broome, L. H., residence.
Brown, T. C., & Van Anglen, building.
Central Railroad, Ferry offices.

References.

Cairns, Mr., residence 257 7th St.
 Culver Building, 46 Montgomery St.
 Cushing, N. B.
 Dewar, Capt. J. R., residence.
 Dodge & Co's. office.
 Domestic Spring Bed Co., building.
 Dominican Convent.
 Evening Journal Building.
 First National Bank.
 Fuller Building.
 Furst Bros., store.
 Hawk Bros., factory, Johnston Ave. and Pine St.
 Henderson, Chas., residence.
 High Service Reservoir Building
 Holden, D. L., residence.
 Ingwersen Building.
 Jersey City Post Office.
 Jersey City Athletic Club.
 Kniffen, J. H., 93 Washington St.
 Lehigh Valley Coal Docks.
 Lorrillard, P. & Co's., office.
 Lyon, F. W., residence.
 Mahoney Flats, 8th St., between Jersey Ave. and
 Erie St.
 McWilliams & Brown.
 Morrow, Day & Co.
 McBurney, J. C., residence.
 McKay, Hugh, residence.
 New Jersey Car Spring & Rubber Co.
 North Baptist Church.
 Palma Club.
 Patten, Geo. M., residence.
 Pennsylvania R.R. Ferry House depot and offices.
 Perkins, Geo. F., residence.
 Public Schools Nos. 8 & 21.
 Roche Building.
 Smith, Theo., & Bro.
 Standard Wood Turning Co.
 St. Aloysius Academy.
 St. John's German Church.
 St. Patrick's Cathedral.
 Taylor, J., & Co.
 Taylor, W. H., & Son.
 Thompson, J. R., & Co., office.
 United States Express Co., stables.
 Williams, R. A., residence.

Jobstown.

Lorrillard, P.

Kearney.

Kearney, J. Watts.

Key East.

Avon Inn.

LaFayette.

Laurel House.

Stevens, Frank, residence.

Lawrenceville.

Lawrenceville School.

Long Branch.

Catholic Church.

Hoey's, John, cottage.

Hollywood Cottages.

Monroe, Norman L., residence.
 Pennsylvania Club House.
 The Hollywood Hotel.

Madison.

Drew Theological Seminary.
 St. Vincent R. C. Church.

Middlebush.

Totten, B. S., residence.

Middle Valley.

Trimer Lot.

Millville.

Steelman, A. J.

Montclair.

Anderson, C. W., residence.
 Denby, I.
 Love, Dr. J. J. H., residence.
 Nyes, Mrs. J. R. D., residence.
 Reeves, C. J.
 Stephens, J., residence.
 Van Riper, P. E., residence.
 Vorhees, E. M., residence.
 Watkins, Dr. S. C. G.

Morristown.

Court House and Jail.
 Haley, Capt. B. F.
 Mansion House.

Netherwood.

Bowen, H. F., residence.
 Greenwood, G. H.
 Netherwood Hotel.

Newark.

Albright, A.
 Aldine Apartment House.
 Allen, Thos. B., 691 Broad St.
 American Insurance Co., Broad St.
 Atha Benjamin, High st.
 Bell, Jas. T.
 Beuler Frank.
 Borneman, A.
 Bonnell, J. M., Son & Co.
 Bradley, W. H., Broad st
 Callender Insulating Co.
 Campbell Tobacco Works.
 Camden Street Public School.
 Centennial Buildings, Market St
 Clark, Sanford.
 Collin, A. B.
 Cooper, Chas., & Co., factory.
 Crockford Steam Generator Co.
 Demarest, W.
 Dickerson, F. L.
 Dixon, W.
 Dowden, Chas.
 Dunn, E. & Bro. 104 Market St.
 Eastwood, John.
 Egbert, W. V., & Co.
 Essex County Bank.
 Essex County Court House
 Essex Club, 44 Park Place.
 Essex County Insane Asylum.
 Fehleisen, Albert.
 Graham, Chas. A.
 Gray, R. J.

Heath Building.

Herman, John.

Heller, Fred, Clinton Ave.

Hensler, Joseph, brewery.

High School.

House of the Good Shepherd.

Home for the Aged.

Howard's Savings Institution.

Howarth Bros.

Jenkenson, Geo. B., High St.

Lehman, Chas. A.

London, Liverpool & Globe Ins. Co. Building.

Lowentraut, Peter.

Macknet & Doremus.

Market Street Public School.

Merchant's Insurance Co., Broad St.

Meserau, W. T. & J., Railroad Ave.

Milne, Alex.

Mockridge & Son.

Murphy, Franklin, Broad St.

Murphy Varnish Co.

Newark Aqueduct Board Office.

Newark Beef Co.

Newark Evening News Building.

Newark Savings Institution.

Newark Steel Works.

Parker & Keasby, Broad St.

Pennington, Dr. H. H.

Plant, L. S., & Co.

Rankin, William.

Rehman, Louis, & Co.

Reilly, John.

Rutherford Apartment House.

Smith & Abbott.

South Street Public School.

South Eighth Street Public School.

State Street Public School.

South Market Street Public School.

Stabacus, John B., residence.

Sutcliffe & Noon.

Swift, E. C.

St. Barnabas Hospital.

St. Joseph's Church.

St. Joseph's Rectory.

St. Joseph's School.

St. Vincent's Industrial School.

Toomey, Rev. J. J.

Vanderpool, Beach, Washington Place.

Ward, Hon. Marcus L., Washington St.

Wharton, John, Market St.

New Brighton.

Whitman House.

New Brunswick.

McKeag, Hugh.

Middlesex County Jail.

Rule, Aaron.

Johnson & Johnson.

Rule, Geo.

New Market.

Dunham, H. V.

New Rochelle.

Sherwood, P. S.

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Newton.

Hamilton Square Baptist Church.

North Bloomfield.

Martin, A. D., residence.
Universalist Church.

Ocean Grove.

Atlantic House.
Barr, Dr. D. M., Sanitarium.
Robinson, J. H., & Bro.
Rodgers, Mrs. E. S., residence.
Sheldon House.

Orange.

Chandler, Dr. W. G.
Gill, John, residence.
Martin, Chas. J.
Minot, J. A., residence,
Orange Athletic Club.
Park Hotel.
Reinhart's Hotel.
Rockwell, J. S.
Seymour, J. M., residence.
St. John's Rectory.
St. Mary's Orphan Asylum.
Williams, W. H.
Worth, Fred, residence.
Young Men's Catholic Association Hall.

Orange Valley.

Babbitt, Miss M. E.
Church of Our Lady of the Valley.
Young Men's Christain Association.

Passaic.

Hughes, G. M.
Passaic Print Works.
Reid & Barry.
Spencer, B. W.
Werthum, Moses E.

Paterson.

Carshore, W. J., residence.
Fayerweather, F. O., residence.
Frost & Sons, Albion Mills.
Johnson, Dr. W. B., residence.
Kinne Building.
McNab, J. T.
McNulty, Rev. William, residence.
Muzzy Bros.
Norwood, John, residence.
Public School No. 11.
Public School No. 12.
Ryle, Wm. T., residence.
St. Aloysius' Hall, 51 Church St.
St. John Baptist School.
Voorhees, G. D., residence.

Passaic Bridge.

Morton, Rev. G. Nash, seminary.

Perth Amboy.

Ashland Emory Co.
Lehigh Valley R. R. Coal Office.

Plainfield.

Babcock, Geo. H.
Cadmus, A. L.
Chase, Dr. F. B.
Cooley Institute.

Cooley, Rev. J. H.
Darby, A. B.
First National Bank.
First Baptist Church.
Fritts, J. T., residence.
Griffing, A. M.
Locke, Hoffman.
Lewis, A. H., D. D.
Latimer, Mrs. A. H.
Male Art Gallery.
Maxwell, John.
Muhlenberg Hospital.
Park Avenue Baptist Church.
Parse, C.
Plainfield Gas Light Co.
Public School.
Post Office.
Radford, R. H., residence.
Railroad Depot.
Steele, M.
Stillman Hall.
Taggart, Chas.
Vanderbeek, A.
Van Vliet, Clinton
Wareing, Orville.
Watson, George
Worth, Thomas.

Princeton.

Marquand Chapel.
Conover, F. S.
Princeton College.
Seminary Library.

Rahway.

Kenyon, J. C.
Welsh, J. H.

Raritan.

McIntyre, J. H.

Red Bank.

Cumberson & White.
Hendrickson, Applegate & Connors, stores.
Kroener, P., store.
Post Office.
Rumsey, George.

Rutherford.

Jackson, H. R., residence.
Morton, Rev. G. Nash, residence.

Riegelsville.

Riegel, Jno. L.

Salem.

Bassett, Joseph, residence.
Bitters & Sons.
Brunett, M. M., residence.
Casper, Chas. W., store.
Davis, J. Q., residence.
Davis, J. Q., saloon.
Garwood, John G. residence.
Intermediate Dep't Public Schools.
"John Tyler" Library.
"Sunbeam" Newspaper Office.

Scotch Plains.

Seeley, E. M.

Short Hills.

Croscup, Geo. E.
French, J. W., residence.

Somerville.

Craton, Dr. A.
Johnson, Mrs. W. S.
Kenyon, Job C.
Maxwell, John.
Second Ref. Church.
Somerville Engine Co.
Swinton, Dr. W. J.

South Amboy.

R. R. Station House N. Y. & L. B. R. R.

Swedesboro.

Black, H. J.

Tenafly.

McNeil, Thos. R.

Tranquility.

Stuyvesant, Rutherford.

Trenton.

Clark Bros., flats.
Dolton, William, residence.
Dignan, Jas. W.
Forst, D. P., residence.
Jummell, F. R., store and residence.
Katzenbach, F. S., & Co.
Manning A. V., & Sons, store.
Masonic Block.
Moses, Jas., residence.
Penna. R. R. Co. Offices.
St. John's School & Houses.
Trenton Public Schools.
Wilkinson, O. D., store and offices.
Williams, Dr. F. H.
Windsor Hotel.

Union Hill.

Peters, W., residence.

Upper Montclair.

Anderson, C. W., residence.

Vineland.

Hawkins, F. H.

Weehawken.

Passenger Station West Shore R. R.

Whitehouse.

Apgar, Dr. T. A., residence.

Woodbury.

Green, Dr. G. G., residence.

Woodhaven.

Grasseau, F.
Salance & Grasseau Mfg. Co.

Woodstown.

Alms House.
Turner, J. H.
Weatherly, W.

NEW YORK STATE.

Albany.

Ball, Dayton, residence.
Bates & Johnson.
Day, J. H., store.
Executive Mansion.
Kenemore Hotel.
La Rose Mfg. Co.
Livingston Boiler & Tank Works.
Merrill, Dr. C. S.

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National Exchange Building.
National Express Co.
Patterson, H.
Stanwix Hall Hotel.
State Capitol.
St. John's Church.
St. Vincent's Orphan Asylum.
Sweeney, P. J.
Tracy, Gen. Chas., residence.
Western Union Telegraph Office.
Whitney, S. W., residence.

Albion.

Curtis Mfg. Co.
Ford, Thos. W.
Hallock Stephen.

Alfred Centre.

Burdick, W. C.

Amenia.

Amenia Steam Heating Co.
Chaffee, J. S.
First National Bank.
Lewis, M. K.
Reed, H. V. D.
Thompson, J. R.

Amsterdam.

Amsterdam Academy.
Becker, J. D., residence.
Becker, N. C., store and residence.
Bloods, Gardiner, residence.
Blood, J. D., & Co., office.
Boick, Seymour, residence.
Carmichael, Jno., residence.
Cassidy, D. D., residence.
Donlon, Thos., residence.
Dwyer, J. W.
Electric Light & Power Co.
Farmers' National Bank.
Herrick, Henry E., residence.
Hotel Warner.
Howgate, Jno., residence.
Kellogg, John, residence.
Kellogg & Miller.
Kline, Perry, residence.
Lewis, Chas., residence.
McDonald, John, residence.
Morris, A. V., residence.
Munson & Birch.
New Insurance Building.
New M. E. Church.
O'Brien & Dwyer.
Peckham, Jas.
Presbyterian Church.
Shuler, D. W., office.
Shuler, J. C., residence.
Snell, Jas. R., residence.
Terwilliger, Jno., block.
Tilton, Dr. C. H., residence.

Angelica.

Alleghany Co. Buildings.
Gillier, Joseph.

Attica.

Stevens, F. C., residence.

Auburn.

Auburn City Hospital.
Auburn Steam Heating Co.
Alvord, D. R., residence.
Boyd, A. A., residence.
Briggs, Dr. Lansing, residence.
Buildings Nos. 7, 9 and 11 Westlake Ave.
Cayuga County Court House.
Cayuga County Clerk's Office.
Dunning, D. M., residence.
Empire Wringer Co.
Empire State Telephone Office.
Fay, E. R., residence.
Gilbert, Adams & Co..
Greene & Clark.
Harrington, J.
Hollihan, John.
Hollister, W. H., residence.
Jenkins, Dr. Jas. M., residence.
Lyon, Jas., law office.
Masonic Hall.
New National Hotel.
Osborn House.
Perry, Miles, residence.
Ross, Napoleon, residence.
Roseboom, A. W.
Seward, Hon. W. H., block.
Seward, Hon. W. H., residence.
Sheldon & Co.
Sheldon, E. L., residence.
Smith, D. A., & Co.,
Slocum, A. E., residence.
Standart, Chas.
The Birdsall Co. Offices.
Weeks, Cassum & Co.
Western Union Telegraph Office.
Young Men's Christian Ass'n. building.

Aurora.

Wells College.

Avon.

Allen & Carson, sanitarium.
Nisbet, Wm., sanitarium.

Babylon.

Babylon Railroad Depot.
Remsen, Phoenix, residence.

Batavia.

Brush Electric Light Co.
Catholic Convent.
N. Y. State Institute for the Blind.

Bath.

Courier Printing Co.
Davenport, Hon. Ira.
High School Building.
Soldiers' and Sailors' Home.

Ballston Spa.

Hayner, Bros.
Mitchell, Frank.
West, Hon. George, office.

Binghampton.

Childs, N. T.
Church of Christ.
Jones, Gen. E. F., residence.

Kilmer, Dr. S. A.
Meagley, R. H.
New York State Asylum.
Phelps Bank.
Shapley & Wells, offices.
Shapley, Mrs. M. W., residence.
Welden Building.
Wescott, Fred., residence.
Wescott, Wm., residence.

Brewsters.

M. E. Church.

Brooklyn.

Alden Apartment House.
Aller, D., hotel.
Apartment House, Hall st. & Willoughby Ave.
Astor, Col. Wm., Remsen St.
Avon Hall.
Berkley Place School.
Birdsall, D. A. T., residence Bedford Ave.
Birkett, James W.
Booraem Street School.
Carpenter, James O., residence.
Carroll, Rev. Martin.
Children's Aid Society.
Clark, Thomas, 90 Fort Greene Place.
Convent of the Visitation.
Corcoran, Edward.
Degraw Street School.
Deiter's Saloon.
DeKalb Avenue Railroad Depot.
Dwinel House, 197 Fulton St.
Eggert, Wm.
Evans, F. H.
Fish, Latham A.
Flats, corner Lafayette Ave. and Ryerson St.
Flinn, John.
Forrest Flats, Hancock St. and Marcy St.
Forty-seventh Regiment Armory.
Fougera, E., apartment house, Atlantic Av. and Clinton St.
Garfield Building.
Hall, Bedford Ave. and Oxford St.
Hall, S. W.
Harris Furnishing Co., 140 Pearl St.
Hamilton Club.
Heyward Street School.
Hill, W. H., Clinton Ave.
Hester, William, residence.
High School, Nostrand Ave.
Historical Society Building.
Hecla Architectural Bronze & Iron Co.
Hoagland, J. C., Clinton Ave.
Home for Aged, Church Charity.
Home for Aged, Little Sisters of the Poor.
Home for Destitute Children.
House of the Good Shepherd, Atlantic Ave.
Howard Colored Orphan Asylum.
Husted, William, residence.
Jacobs, Geo. P., & Co.
Jennings, A. G., Clinton Ave.
Jones, H. R., residence.
Litchfield Mansion, 9th Ave. & 5th St.

References.

Long Island College Hospital.
 Long Island Hospital.
 Long Island Savings Bank.
 McShane, Henry, & Co.
 Morse, G. L., residence.
 New Episcopal Residence, Claremont and Greene Aves.
 Ovington Building.
 Oxford Club, Lafayette Ave. and Oxford St.
 Packard, Edwin.
 Palace Skating Rink, Claremont Ave.
 Pastoral Residence Church of the Sacred Heart.
 Phelps, E. D., flats Hick & Pineapple Sts.
 Phoenix Building.
 Public School, No. 40.
 Porter, D. C.
 Reid Ave. M. E. Church.
 "Royal" Apartment House, Montague St.
 Rutzler, E., residence 35 Berkeley Place.
 St. Catherine's Hospital, Bushwick Ave.
 St. George's Hotel.
 St. John's Home.
 St. Teresa's Church.
 St. Teresa's School.
 Sheltering Arms Nursery.
 Smith, Grey & Co., Broadway & 4th St.
 Stockton Street School.
 Taft, Rev. T.
 Third Gatling Battery Armory.
 Trumbidge Apartment House, Pineapple St.
 Van Buren School.
 Walbridge Music Hall.
 Waverley Avenue School.
 Wechler & Abraham, store, Fulton St.
 Weidman Cooperage Co., North 6th St.
 Werner, Chas., apartment house.
 Weils, Henry, apartment, Montague & Hicks Sts.
 Wemple, J. C.
 White, J. J.
 Williams, J. J., residence.
 Wolcott, Chas. O., Smith & Oxford Sts.

Steamship Companies.

Ben Franklin Steamboat Line.
 Hamburg-American Packet Co., Hoboken, N. J.
 Inman Line.
 N. Y. & Fort Lee Steamboat Co.
 Starins, John H., New Haven Line.
 " " Offices, Pier 18 N. R.
 Steamboat Pilgrim, Old Colony Line.
 " C. H. Northam, New Haven Line.
 " Tremont, Portland Steam Packet Co.
 Steamer Drew, People's Line.
 " St. John, "
 " Massachusetts.
 " Stonington.
 " Sylvan Glen.
 Steamship Alsatia (Anchor Line).
 " Craigendoran.
 " City of Brooklyn.
 " Glen Tyne.
 " Assyrian Monarch, Monarch Line.

Steamship Egyptian Monarch, Monarch Line.
 " Grecian Monarch, "
 " Lydian Monarch, "
 " Persian Monarch, "
 " Archemede, Italian Line.
 " Gattardo, "
 " Independente, "
 " Vincinco Floris, "
 " Washington.
 " Sangapôre.
 Steam Yacht Utowana, owned by Mr. H. E. Con-
 nor of New York.
 Steam Yacht Viking.
 White Star Line.
 Brooklyn Annex Ferries.

Buffalo.

Am. Press Association.
 Bensler House.
 Commercial Advertiser Office.
 Court House.
 Fitch Institute.
 German Young Men's Association.
 Grand Trunk R. R. Offices.
 Hardwicke & Ware.
 Isbacker & Davis.
 Iron Review Office.
 Kenyon, Dr. L. M.
 Lewis, Geo. H.
 Lewis Building.
 Mathews Building.
 Merchant's Exchange.
 Moore, James D., building.
 "Morning Express" Building.
 N. Y. C. & H. R. R. R. Depot.
 N. Y., W. S. & B. R. R. Car Shops.
 Post Office.
 Smith, John D., & Son.
 Sweet, J. B., residence.
 Summerhays, C. K.
 Taber, B. F., residence.
 Throop's Grain Cleaner Co.
 Tiffit House.
 Warren Building.
 Young Men's Christian Association Building.

Canandaigua.

Canandaigua Gas Light Co.
 Coe, W. W.
 Munger, D. M.

Canajoharie.

Arkell, James, residence.
 Hotel Wagner.
 White, Mrs., residence.

Camden.

Conant's, F. H., Sons, store.
 Osborne, S. M., residence.

Canastota.

Bruce, J. W., residence.
 Delano Milton, residence.

Candor.

Booth, E. A.

Castleton.

McKnight, Ino.

Catskill.

Bulkley, H. C., residence.
 Conkling, H. & W. S., residence.
 Fenin, Thos. E.
 Hallock, James, residence.
 Johnson & Co.
 Lampman, W. E., residence.
 Mackay, H. M., residence.
 M. E. Church.
 Pruyn, Isaac, residence.
 Reformed Church Parsonage.

Catskill Mountains.

Grand Hotel.
 Hotel Kaaterskill.

Campbell Hall.

Slaughter, George.

Chester.

Chamberlain, R. W., residence.

Chappaqua.

Military Institute.

Chatham.

Rosboro, Chas., residence.

Clayton.

Bastian, Eugene.

Clinton.

Kelsey, Professor.

Clove Branch.

Storm, G., residence.

Cocheton.

Irvine, Mrs. Chas., residence.

Cohoes.

Bottom & Lancaster.
 Curtis & Co.
 St. Agnes' Church.

Coney Island.

Hotel Brighton.
 Manhattan Beach Hotel.
 Oriental Hotel.

Corning.

Brown, F., residence.
 Clisdell, Edward, residence.
 Corning Glass Works.
 Corning Water Works.
 Dickinson House.
 Drake Block.
 Fall Brook Coal Co. Depot.
 Fuller, Bros.
 Heermans, Mrs. John, residence.
 Heermans & Lawrence.
 Ingersoll, A. J., Water Cure.
 Lewis, John L., residence.
 Wellington, Q. W., & Co., Bank.

Cortland.

Cortland Wagon Co.
 Smith & Bates.
 Stevenson, Theo.
 Wickware, C. S.

Dansville.

Austin, Jackson & Co.
 Jackyns, Dr., sanitarium.
 Our Home.

References.

Dewittville.

Insane Asylum.

Dolgeville.

Dolge, Alfred, felt department.
Dolge, Alfred, lumber department.
Dolge, Alfred, private offices.

Dalton.

Thornton, C. B.

Dundee.

Harpending, A. C.
Raple, Miles W.

Dunkirk.

Brooks, H. G., residence.
Brooks' Locomotive Works.
Perry, E. C.

Dryden.

Southworth, A., residence.
Williams, E., residence.

East Buffalo.

N. Y. Sleeping Car Co.

East View.

Westchester Co., Alms house.

East New York.

House of the Good Shepherd.
Wortburg Home.

Elmira.

Annot's Arcade Block.
Bell, Harry, residence.
Brand, John, & Co., store.
Brand, John, residence.
Brown, J. L., residence.
Briggs, J., & Co., Brewery.
Crane, T. W., residence.
Durland & Pratt, store.
D., L. & W. R. R. Depot.
Fish, W. W., residence.
Fish, W. W., store.
Fraiser House.
Fraiser, F. A., residence.
Gerity Bros., wholesale druggists.
Gridley, E. H., & Co.
Hand, H. P., residence.
Ingraham Bros., store.
Lorimore & Tompkins.
Robinson, G. L., residence.
Rathbun House.
Sadler, Guy F.
School No. 4.
Second National Bank.
Thomas, N. S., residence.
Torrey, Thos. F.
Wyckoff, Mrs. Geo., residence.
Walker, J. & R. H.

Eric.

Sims, Henry.

Erie.

Rodburn, J. H., residence.

Etna.

Ellis, E. E.

Fairport.

Baptist Church.
Mordoff, A. F.

Far Rockaway.

McKenna, W. H.

Fishkill.

District School Building.
Jones, W.
Mechanic's Savings Bank.
Mt. Beacon Academy.
Place, John, residence.
Redman & Byram.
Roller Skating Rink.
Shay Bros.
Toohey, W. A.
Verplank, W., residence.

Fort Henry.

Witherby, W. C.

Fort Plain.

Clinton Liberal Institute.
N. Y., W. S. & B. R. R. Depot.
Woods, E. W., residence.
Williams, Tanner & Co.

Fultonville.

Starin Silk Fabric Co.

Fredonia.

Couch, Dr. A. S.
Putnam, H. J.

Geneva.

Baldwin, A. A.
Catchpole, A., & Co.
Catholic Convent.
Campbell & Johnson.
Clark, Dr. H. K.
Covert, Dr. N. B.
Dunning, W. B.
Franklin House.
Hobart College.
King, Wm. J., Jr.
McMannus, Rev. J. T. V. G., residence.
Methodist Church.
Nester, S. K.
Patter, Dr. E. U., residence.
Potter, W. G., residence.
Sanford, M. S.
Smith, Dr. A. B.
Smith, J. W., & Co., store.
Squires, E. N.
Southworth, Saml., residence.
Yan Dever, G. G.

Genoa.

Tift, A. E.

Glen Cove.

Duryea, W.

Gloversville.

Burr Bros.
Fidoe, J., residence.
Kasson, A. J., residence.
Kasson, H. Z., residence.
Huggett & Bridger.
Littaner Block.
Memorial Hall Opera House.
Methodist Episcopal Church.
Miller, J. A., residence.
McGuire, Byrnard, residence.
McNabb, John, residence.
Pawley, F.
Sporbourg, W. L. residence.
Still, E., residence.

Goshen.

Court House.
County Jail.
Howell, Jas. A., residence.
Howell, M. A., residence.
Howell, Sidney O., residence.
Kerghan, Rev. J. J., residence.
N. Y., W. S. & B. R. R. Depot.
Reemer, Mrs. G. M., residence.
St. John's Church and residence.
Surrogate's Office.
Tuthill, T. D., residence.

Gouverneur.

Gouverneur Mach. Co.
Herald-Times Building.
Van Buren House.
Van Duzee, F. B.
Van Duzee, C. A.

Greenwich.

Thompson, J. H., residence.

Haverstraw.

N. Y., W. S. & B. R. R. Station.
West, J. E.

Hamburg.

Bunting, J. L., residence.

Herkimer.

Churchill, H., residence.
Folts, J. P., residence.
Herkimer Paper Co.
Howell, Wm. B., residence.
Mark, Morris, residence.
Mark, Elias, residence.
Palmer, Joseph, residence.
Salmo, James, residence.

Hogansburg.

Bouker, H. E.

Hollis.

Dunton, F. W.

Honeoye Falls.

Case & Huntington, store.
Davis, W. P.
Dutton & Allen, store.

Hoosac Falls.

Wallace, Jones & Ely.

Honesdale.

Irving Cliff Hotel.

Hornellsville.

Bernick, O., residence.
McDougal, Avery & Co.
O'Connor, Geo. W.

Irvington.

Public School.

Islip.

Neal, J.

Ithaca.

Adams, Prof., Pres. Cornell University,
Andrus & Church.
Avery, Oliver.
Baker, Geo.
Boal, Henry.
Bostwick, H. V., residence.
Burdick, D. W.
Campbell, T. B.
Church, Prof. I. P., residence.

References.

Clark, Uri.
 Cornell, Frank.
 Cornell University Buildings.
 Doherty, T. F., residence.
 Ellston, J. A.
 Esty, W. W.
 Fiske, Mrs. Jennie McGraw, residence.
 Fuertes, Prof. E. A., residence.
 Glenzer, J. J.
 Hewitt, Prof. W. T., residence.
 Ithaca Hotel.
 Jackson & Bush.
 Jamieson & McKinney.
 Law, Prof. James, residence.
 Lewis, Mrs. John, residence.
 MacKoon, Prof., residence.
 Memorial Cottage, Cornell University Campus.
 Morgan, Dr. E. J., Jr., residence.
 Morris, Prof. J. L., residence.
 Newman, J. T., residence.
 Newman, Isaac H., residence.
 Public School, East Hill.
 Parks, Henry S., residence.
 Psi U Fraternity Club House.
 Platts, A. H., residence.
 Sage, Hon. H. W.
 Sage, W. H.
 Sherman, George.
 Stowell, C. D., residence.
 Thurston, Prof. R. H.
 Titus, Hon. C. M., residence.
 Tompkins County Jail.
 Van Natta, J. E.
 White, Prof. H. S., residence.
 Williams, De Forrest, residence.
 Williams, Prof. E. L., Treas. Cornell University.
 Williams, Prof. Henry, residence.
 Wait, Prof. L. A.
 Wood, Mrs. Caroline B., residence.

Jamestown.

Chair, W. S., & Co., Block.
 Conway & Chatfield.
 Gokey, N. W., & Son.
 Hall, Eric L.

Johnstown

Sir William Johnson Hotel.

Jordan.

Phillips, C. J.

Keeseville.

Commercial Hotel.

Kingston.

Conover, Edward, residence.
 Cornell Steamboat Co's Building.
 County Clerk's Building.
 Cusack & Morgan.
 Fair St. Reformed Church Parsonage.
 First Reformed Church.
 Kingston Armory.
 Lecture Room First Ref'd Church.
 N. Y., W. S. & B. R. R. Depot.
 Ostrander, Jas. E.
 Rosa, Dr. Hyniar.
 Stillwell, C. S.

Loughran, B.
 Surrogate's Building.
 Tremper, Hon. Thos. H.
 Ulster County Savings Institution.
 Van Duzen, Mrs. Columbus.
 Van Slyke, Rev. J. G., Parsonage.

Le Roy.

Wells, D. C. & Co.

Lima.

Beadle Bros.
 Beadle, Mrs., residence.

Little Falls.

Benedict, Chas., residence.
 Brown, Henry.
 Collins, Dennis.
 First Presb'y Church.
 Gilbert, J. J., residence.
 Girvan House.
 Grand Central Hotel.
 Metropolitan Hotel.
 Mullen, Joseph, residence.
 Oppel, G. A. residence.
 Sheard, Hon. Titus, residence.
 Whitman, Walter W., residence.
 White, George, residence.
 Zaller, Jacob, residence.

Livingston Station.

Hudson River Iron & Ore Co.

Livonia.

Davis, J. W., residence.

Lockport.

Am. District Steam Co.
 Bissell, A. A.
 Court House.
 Hall, B. D.
 Moyer, E. M.
 Pierson, W.
 Pound, Waterman S.
 Sawyer, F. J.
 Tarbox, M. H.

Lowville.

Easton, F. S.

Lyon.

Franklin, Mrs. N. D., residence.
 Franklin, W. D.

Mamaroneck.

McGregor, A. M., residence.
 Parish Building and Rectory, St. Thomas' Memorial Church.

Marlborough.

Gillespie, Rev. D. D.
 Harcourt, Eli.
 Lockwood, E. T.
 Milliard, S. N.

Matteawan.

Jackson, W., carriage store.
 St. Joachims Church and School.

Maysville.

Clark, E. H., store.

Mechanicsville.

Terrey, S. T.

Middletown.

Academy Ave School.
 Board of Education.
 Carson, Luckey & Towner.
 Corwin, Jas. E.
 Court House, Jail & Surrogate's office.
 Cumminings, Ira.
 Degraw, J. C., residence.
 Dill, H. B., residence.
 Insane Asylum.
 Ketcham, C. C. V., residence.
 King, T. J., store.
 Russell House.
 Startup Bros. Hotel.
 Wheeler, Madden & Clemson, Mfg. Co.

Mt. Carmel.

Robertson, Geo.

Mt. St. Vincent.

Mt. St. Vincent Academy.

Mt. Vincent.

Henneberger, H.
 Himmill, J. A.
 N. Y. Infant Asylum.
 Swart, S. A., residence.

Monroe.

Brewster, H. S.

Napanock.

Du Bois, Gilbert.
 Pillsbury, M. M., residence.

Newburgh.

Brown, W. C., residence.
 Bigler, J. residence.
 Cameron, W. F. residence.
 Coldwell, Wilcox & Co.
 Columbia Skating Rink.
 Covert, C. J., residence.
 Cornell, Geo. T.
 Cranshaw, S., residence.
 "Daily News" office.
 De Groat, Peter.
 Greaves, Joseph, residence.
 Fowler, Mess. E., residence.
 Harrison, Jas., residence.
 Harrison, J. J. E., store.
 Havermeier, A. H.
 Linch, Francis.
 McCabe, Mrs., residence.
 McDonald, Patrick, residence.
 Miller, Miss Mary, residence.
 Monell, G. L., residence.
 Newburgh Savings Bank.
 Olympic Skating Rink.
 Police Headquarters
 Post Office.
 Riley, Patrick.
 Ross, G. H., residence.
 Schaeffer's Flats.
 Scuff, T. W.
 Schaeffer, F. J. N., residence.
 Smith, A. C.
 St. Patrick's Church.
 St. Patrick's Institute.

References.

Sunsbury News Co., store.
Sweet, Jos. A., residence.
Vail, Walter.
West Shore R. R. Depot.
Wiggins, Dr.

New Rochelle.

Banks, G. W.
District School No. 1.
Howe, G. W.
Lafevre, Capt. J.

Newark.

Garlock, Frank.
N. Y. State Custodial Asylum.

Norwood.

Ducolin, S. residence.

New Lots.

Fulton Ave. School.
Henry Ave. School.

North Bloomfield.

Davis, W. P.
Fairchild, C. H.
Martin, A. D.
North Bloomfield Foundry and Machine Tool
Works, office.
Universalist Church.
Wiggins, C. P.

North Lansing.

Wilcox, William.

Nyack.

Datchman, Julius.

Niagara Falls.

Bank of Niagara.
Gazette Block.
Hotel Kaltenbach.
Orpheus Park Theatre.
Spencer House.
The Atlantique.
The Porter Building.

Norwich.

Harkness, Robt., residence.
Merritt, Chas. H., residence.

Oneida.

Hotel Brunswick.

Oneonta.

Moody & Gould Co.

Oswego.

City Hall.
Custom House.
City Savings Bank.
D., I., & W. R. R. Depot.
Shead, C. G., & Co.

Otisville.

Reed, Henry, residence.
Smith, G., residence.

Owego.

King & Co.
Owego Iron Works.

Palatine Bridge.

Taylor, J. D., residence.
Wagner, Hon. Webster, residence.

Painted Post.

Bronson, F. E.

Bronson, G. A., Block.
Bronson, W. C., Bank.
Campbell, Mrs. E., residence.
Weston Engine Co.

Peekskill.

Convent of our Lady of Angels.
Franciscan Convent.
Hammond, C. E.
R. C. Orphan Asylum.

Penn Yan.

Baldwin, M. L.
Catholic School.
Fox, W. H.
Hamlin, L. O.
Hughes, C. J.
Lapham, G. H.
Wise, W. N.

Piffard.

Royal Salt Co.

Plattsburgh.

Fauquet House.

Pleasantville.

Hall, C. W.

Port Byron.

Howard Hotel.

Port Chester.

Wesley, E. B.

Port Jervis.

Bolton, Jas.
Cuddeback, Dr. W. L.
Farnum Building.
Farnum, E. P.
Farnum, P. E.
Fowler, E. G.
Gray, T. J., residence.
Heller, M. V.
Malvin, Gordon & Co.
Margot, A. C.
McGuire, Thos.
Mills, J. J.
Mountain House School.
Sharp, Thos., residence.

Port Henry.

Sherman, G. R.
Witherbee, F. F.
Witherbee, Mrs. T. L.

Port Richmond.

Wood, Ambrose, residence.

Potsdam.

Academy of Music.
Albion Hotel.
State Normal School.
Town Hall.

Poughkeepsie.

Adrianne, Platt & Co.
Alms House.
Atwater, Dr.
Baptist Church of Christ.
Brinkerhoff, T. Van Wyck.
Cairn, Adam.
Dates, Chas.
Dinsmore, W. B.

Doherty, P. C.
Dutchess County Mutual Ins. Building.
Eastman's College.
Hammond, C. E.
Heath, J. Parker.
Hudson River State Asylum.
Hudson River State Hospital.
Lane Bros.
Lasher, W. P.
Morgan House.
Nelson House.
Old Ladies' Home.
Peckham, Mrs.
Post Office.
Poughkeepsie Savings Bank.
Reynolds, Capt. M.
Ritter, W. H.
Schwartz, M.
Shaw, Dr. John.
Smith, W. W.
Spross, Elias.
Taggart, R. W.
Thompson, James.
Trowbridge & Adriance.
Tripp, S. V.
Tasher, W. P.
Tuthill, Dr. R. K.
Van Wagner, Peter.
Vassar Home for Aged Men.
Wells & Zimmerman.

Richford.

Finch, C. W.

Richmond Hill.

Forbes, Dr. W. H., residence.

Rhinebeck.

Miller G. N., residence.
M. E. Church.
Suckley, Thos., residence.

Rochester.

Adler Bros.
Allen, W., residence.
Alling & Cory, store.
Archer, Geo. W., building.
Bartholomy Park Hotel.
Bishop Building.
Bracket House.
Brewster, Gordon & Co.
Briggs, J. E., residence.
Buell, G. C. & Co.
Buff, Roch., & Pitts. R. R. Depot.
City Hall.
City Hospital.
Chase, E. B., residence.
Clark, B. H., residence.
Corinthian Academy of Music.
Coming Building.
Cook, E. H., Co.
Crossman, Bros.
Cunningham, J., Son & Co.
Cunningham, J.
Danforth, Judge.
Deaf Mute Asylum.
Duffy, Bussey & Wile.

References.

Dwyer, Rufus K.
Eastman Dry Plate Co.
Eastwood Estate.
First Baptist Church.
Fitzsimons, Chas.
Fitzsimons, Burke, Hone & Co.
Gillis, J. W.
Gorsline, Wm. H.
Graves L. S., & Son.
Hastings, Chas. S.
Harrison, Jas. M.
Hayden & Havens Co.
Henion, Dr. J. B., residence.
Hobbie, Mrs. A. C., residence.
Hollister Bros.
Howe & Bassett.
Jones, Dr. Jonas.
Lamberton's Commercial Building.
Levi, Nathan.
Loss, L. M.
Madden & Sullivan.
Manderville, Dr. F. A., residence.
McGuire, Horace.
McQuade, Right Rev. B. J.
Mensing & Stecher.
Mechanics' Savings Bank.
Merriman, C. C.
Monroe Co. Court House.
Moore, John C.
Morey, John E., Jr.
Nazareth Convent.
New Osborne House.
Noyes, Col.
N. Y. C. & H. R. R. R. Round House.
Osborne, E. W., residence.
Phelan, J., factory.
Pitkins, Peter, building.
Powers, D. W., Commercial Building.
Powers, D. W., residence.
P. & R. R. R., car shops.
P. & R. R. R., round house.
Rebaz, Wm. N.
Reynolds' Arcade.
Roby, S. B., & Co.
Rochester Brewing Co., office.
Rochester Axle Works.
Rochester Savings Bank.
Rochester Paper Co.
Sagar, Joseph.
Shipman, A. H.
Shaffer, Edward.
Sibley, Hiram, & Co.
Sloan, Samuel, residence.
Sloan, Samuel, store.
Smith, John A.
Smith, J. Morean.
Smith, John.
St. Joseph's Asylum.
St. Joseph's Orphan Asylum.
St. Mary's Hospital.
Tichnor Building.
Union Bank of Rochester.

Vredenburg, E. H., residence.
Vogts, A., building.
Walbridge, S. D.
Warner, Dr. H. H., building.
Warner, Dr. H. H., residence.
Warner Observatory.
Washington Skating Rink.
Western House of Refuge.
Wheelock, Dr. J. F.
Woodbury, E. F., building.
Wright, Alfred N., factory.
Wright, Alfred N., residence.

Rome.

Caswell, H. A.
Central N. Y. Institute for Deaf and Dumb.
County House.
M. E. Church.
Orton, A. W.
Prince, D. B., store.
Russ, Geo. P.
Sink Opera House.
Salspaugh & Armstrong.
Wiggins, J. B., store.

Rondout.

Comell, Hon. Thos.
De La Vergne, I. V.
Edmonds, C. L.
Hickey, T. J.
Lindsiey, Hon. James G.
McEntee & Dillon.
North, I. M.
Schoonmaker, P. E.
Tompkins, Edward.
Turck, Wm., I.
Van Deusen, James L.,
Van Keuran, Jas. G.
Weiber, H. E.

Saratoga Springs.

Academic School Building.
Adirondack R. R., office.
Ainsworth, W. W., residence.
Baker & Shevlin.
Bockes, Wm. Hay, residence.
Bronson, W. C., residence.
Cooper, Mrs., residence.
Crippon, G. M., residence.
Fuller, J. A., residence.
Fuller, S. W., residence.
Gillis, Geo. H., residence.
Gilson, J. P., residence.
Grant, Dr. C. S., residence.
Hilton, Hon. Henry, residence.
Hansom, H. B., residence.
Hathorn, Hon. H. H., residence.
Lester, Hon. C. S., residence.
McEwen, Dr. R. C., residence.
McPherson & Meehan.
McRea, W. S., residence.
Phelps, M. B., residence.
Salway Process Co.
Scovill, J. P., residence.

Shackelfind, G. R. P.
Strong, Dr., residence.
Trim & Tarrant.
Thomas, W. H., residence.
Thomas, C. B., residence.
Vilamey, Hon. Edward, residence.
Wakefield, J. I., residence.
Waterbury, E. R., residence.
White, F. A., residence.
Windsor Hotel.
Yeungling, D. G. Jr., residence.

Saugerties.

Etting, G. W. residence.
Ryan, Edward, residence.
Sheffield, J. B., & Son.
Searing, S. J.

Seneca Lake.

Gould, S. S., residence.
Hoag, Milton, residence.
Williard Asylum.

Seneca Falls.

Hoag Opera House.

Spencer.

Seely, A., & Bro.

Stillwater.

Newland, R. & H.
Quackenbush, John.

Sag Harbor.

Fahey Watch Case Co.

Schenectady.

Atwell, F. J., residence.
Case, Levi & Co.
Chapel of First Presbyterian Church.
Clute, J. W., residence.
Dillenbeck, A., residence and store.
Hanford, G. T., residence.
Locomotive Works.
McClyman, Wm.
Schenectady Knitting Mills.
Schermerhorn, E. N., residence.
Stevenson Bros.
Swits, Dr. H., residence.
Veeder, G. S., residence.
Westinghouse, Jay.

Sing Sing.

Roller Skating Rink.
Sing Sing Prison.

Staten Island.

Baltimore Flats, Tompkinsville.
Bechtel, Geo., brewery.
Bechtel, Geo., residence.
Building of the Mission of the Immaculate Virgin,
Pleasant Plains.
Drumgoole, Rev. J. C., Mt. Loreita.
New Brighton Building Co.
Public School No. 3, New Brighton.
Whitman, Clarence, New Brighton.

Sherburn.

Beebe, Albert.
Elsbre, Gladine & Co., store.

Skaneateles.

Webb, Mrs. H., residence.

References.

Steinway.
Cassebeer, H. A., residence.

Stryvesant.
Blair, James, residence.

Suffern.
Musser, A.

Suspension Bridge.
N. V. Central R. R. Depot.

Syracuse.
Barnum, H. C., residence.
Bishop, R. M., residence.
Century Club.
Cline, J. B., residence.
County Clerk's Building.
Cox, W. W., residence.
Curtis & Smith, office.
Denison, L. S., residence.
Eagle Hotel.
Eager J. W. residence.
Gere, W. H. H., residence.
Greenway Building.
Greenway, John, Jr. residence.
Hasbrouck, E. P., residence.
Heir & Aldridge, manufactory.
House of Providence.
Kearney, Wm., residence.
Klein, J., store.
McClellan, E. B., store.
Pease, J. F., Furnace Co.
Phoenix Foundry.
Pierce, Butler & Pierce Mfg Co.
Schermerhorn, Jr., J. M., residence.
Stoup, J. R., residence.
Sweet, W. A., residence.
Syracuse Screw Co.
Yale, J. W., residence.

Tarrytown.
Bird, J. & Son.
Field, Hon. Cyrus W., residence.
Rockwell, Geo.
Solomon's Lodge Building.
Webb, W. H.

Throgg's Neck.
Huntington, C. P.
Joseph's Institute.

Tivoli.
Otis, W. C.

Tribe Hill.
Shanahan, Hon. James.

Troy.
Burden Iron Co.
Burden, J. Townsend.
Burden, J. H.
City Hall.
Curtesy's Hotel.
Ferguson, Wm.
Gurley, W. & L. E.
Holland & Thompson Mfg Co.
Mulligan & Schermerhorn.
Oakwood Cemetery Offices.
State Armory.
Troy Jail.

Trumansburg.
Bowman, J. H., hotel.

Tuckahoe.
Gilford, Silas D., residence.

Tuxedo Park.
Tuxedo Park Club House.

Union.
Cafferty, E. M.

Utica.
Buller, J. M., residence.
Chronic Insane Asylum.
Clark, B. A., residence.
Martin, Edward, residence.
Middleton, Robert, residence.
Millar, Charles, & Son.
Reynolds Building.
Saturday Globe Building.
St. John's Church Parsonage.
Shanghnessy Brothers, store.
Tucker, Colder & Co.
Utica Steam Gauge Co.
Wendt, Fred.

Walden.
Stoddard, G. W., residence.

Waterford.
Gugerty, Patrick.

Washingtonville.
Brewster, H. C.
Hooper, Charles G.
Tuthill, M. S.

Waterloo.
Bacon, W. F.
Bacon, Benj.
Bacon, Fred, residence.
Brooks, Joseph.
Bule, Wm.
Clark, A.
Clark, Frank M. E.
Clark, W. B.
Day, Dr., J. W.
Ditmus, Mrs. E. M. E.
First National Bank.
Historical Building.
Magee House.
Magee, W.
Manning, F. L.
Mercer, General M. D.
Spencer Iron Co.
Spencer, J. C.
St. Paul's Church.
St. Paul's, Parish Building.
St. Paul's School.
St. Paul's Sunday School Building.
Story, Leonard.
Terwilliger, A. H.
Waterloo Wagon Co.
Waterloo Library.
Watkins, Mrs. J. C., residence.
Wells, Hon. S. R.
Yules, Wm.

Watertown.
Eames, E. D.
Kirby House.
Knowlton Bros.
Remington Mansion.
Story, F. T., residence
Woodruff House.

Waterville.
Episcopal Parsonage.

West Chester.
Catholic Rectory.

Westfield.
Bremer, Hon. F. B.
Cowden, Mrs. H. J.
Guild, Jas. O.
Ramsay, Mrs. O. C.
Taylor, D. H.

West Point.
Rockwell, Lieut. C. H.
U. S. Military Academy.

Whitestone.
Merritt, I. J.

Whitehall.
Potter, Judge Jas.

Yonkers.
Callen, Dr. P. A.
Geddy House.
Halbrook, H.
Lawrence, J. V.
Opera House.
St. Mary's Church and Parsonage.
St. Mary's School Buildings.
Stewart, T. & G.
Warburton Hall.

NEW YORK CITY.

APARTMENT HOUSES.

"Aldhams," 76th St., between Madison & 4th Aves.
"Alpine," West 33d St.
"Barcelona," 59th St. & 7th Av.
"Bella," 26th St. & 4th Ave.
"Benedict," 80 E. Washington Sq.
"Bliss," 73d St. & 4th Ave.
"Bookman," 72d St., Lexington & 3d Aves.
"Boston," 59th St., between 5th & 6th Aves.
"Carlyle," 324 West 60th St.
"Chelsea," 23d St., between 7th & 8th Aves.
"Cleveland," 124 East 24th St.
"Correll," 81st St., between Lexington & 4th Aves.
Crimmins, J. D. & T. E., 1037 3d Ave.
"Cumberland," 173 5th Ave.
"Chesterfield," 16 East 53d St.
Dwyer, D. J., 312 West 60th St.
"Elise," 1431 2d Ave.
"Essex," 61st St. & 9th Ave.
"Fisher's," West 33d St.
"Florence," 105 E. 18th St.
"Frederiek," 53d St. & 4th Ave.
"Grenoble," 57th St. & 7th Ave.

References.

Hall, William, & Sons, 87th St. & Park Ave.
 "Hanover," 2 East 15th St.
 "Hathorne," 128 W. 59th St.
 "Hearn," 31 W. 10th St.
 "Hoefer," 55th St. and Broadway.
 "Hoffman Arms," 59th St. & Madison Ave.
 Hubert Home Club, 80 Madison Ave.
 "Jansen," 11 & 13 Waverley Place.
 "Kenmore," 57th St. & 9th Ave.
 "Kensington," 57th St. & 4th Ave.
 "Knickerbocker," 28th St. and 5th Ave.
 "Lawrence," 54th St. and 7th Ave.
 "Lexington," 49th St. and 3d Ave.
 "Maginn," 57th St. and 10th Ave.
 "Manhattan Square," 9th Ave. and 78th St.
 "Manhattan," 2d Ave., bet. 86th and 87th Sts.
 "Monroe," 59th St. and 6th Ave.
 "Morton," 206 E. 33d St.
 "Orleans," 975 8th Ave.
 "Oxford," 137 W. 56th St.
 "Orienta," 155 E. 72d St.
 "Palermo," 125 E. 57th St.
 "Palisades," 56th St. bet. 8th and 9th Aves.
 "Park View," 59th St. bet. 7th and 8th Aves.
 Pikes, S. N., Apartment House.
 Plyer's, C. W., Apartment House, 424 W. 60th St.
 "Princeton," 57th St. bet. 8th and 9th Aves.
 Purcell, Edward, 318 W. 60th St.
 Rankin & Co., 74th St. and 1st Ave.
 Rhinelander Estate, 86th St. and 2d Ave.
 "Rembrandt," 152 W. 57th St.
 "Rutland," Broadway and 57th St.
 "St. Albans," 349 W. 58th St.
 "St. George," 223 & 225 E. 17th St.
 "Saratoga," 225 W. 52d St.
 "Scott," 129 E. 17th St.
 "Seward," 175 E. 93d St.
 "Sohmer," 57th and 7th Ave.
 "Soncy," 57th St. and 6th Ave.
 "Steinhart," 61st St. and Boulevard.
 "Strathmore," Broadway and 52d St.
 "Stuyvesant," 142 E. 18th St.
 "Sturtevant," 3d Ave.
 "Sunny Side," Park Ave. and 73d St.
 "Drew," 41 Union Square
 "Osborne," 7th Ave. and 57th St.
 "Sherwood," 531 5th Ave.
 "Union," 109 W. 56 St.
 "Vanderbilt," 399 Lexington Ave.
 Voorhees, J. D., Grand Circle and 59th St.
 "Washington," 122d St. and 7th Ave.
 "Westmoreland," 100 E. 17th St.
 "Windsor," 1700 Broadway.
 Apartment House, 80 Madison Ave.
 Apartment House, 16th St. and Irving Place.
 Apartment House, 126th St. and 6th Ave.
 Apartment House, 92d St. and 9th Ave.
 Apartment House, 78th St. and 9th Ave.

MANUFACTORIES.

Columbia Brewery, 450 W. 26th St.
 Consolidated Card Co., 222-228 W. 14th St.
 Dunn, Jacob, Carriages, 87th St. and 3d Ave.

Hazelton Piano Manufactory, 34 & 36 University Place.
 Herring's Safe Co., 13th and Hudson Sts.
 L. & H. Brewing Co., 135 W. 18th St.
 Miller's Tobacco Works, Columbia and Staunton Sts.
 Sohmer & Co., 14th St. and 3d Ave.
 Wallace, James, Brewery, Cherry St.

PUBLIC BUILDINGS.

American Art Gallery.
 Baptist Publication Society Building.
 Bellevue Hospital, Gate House.
 Bloomingdale Asylum.
 Casino, Broadway and 39th St.
 Central Park Home Club.
 Collegiate Institute.
 Colored Orphan Asylum.
 Daly's Theatre.
 Demilt Dispensary, 23d St. & 2d Ave.
 Department Public Charities & Corrections.
 Department of Docks Pier "A." N. R.
 Eighth Regiment Armory.
 Fourteenth St. Theatre.
 Foundling Asylum, 69 St. & 3d Ave.
 German Hospital.
 Grand Central Depot, 42d St.
 Hahnemann Hospital, 4th Ave., between 67th & 68th St.
 Home for the Aged Hebrews.
 Home for Aged Females, 104th St., & 10 Ave.
 House of Refuge, Randalls Island.
 Hubert Home Club, 59th St., between 7th & 8th Aves.
 Inebriates' Home.
 Insane Asylum, Ward's Island.
 Laura Franklin Hospital, 111th St., near 5th Ave.
 Leiderkranz Hall 58th St. between 4th and Lexington Aves.
 Little Sisters of the Poor.
 Lyceum Theatre, 4th Ave. & 24th St.
 Madison Square Theatre.
 Manhattan Elevated Railroad cars.
 Marquand Pavilion, 26th St. & 1st Ave.
 McKee Rankin's Theatre, 31st St. & 3d Ave.
 Methodist Home, 10th Ave., between 92d & 93d Sts.
 Metropolitan Opera House.
 Mt. Sinai Hospital, 65th St. & Lexington Ave.
 New York Athletic Club, 6th Ave. & 55th St.
 New York Cancer Hospital.
 New York Christian Home, Madison Ave.
 New York City Hall.
 New York Cotton Exchange.
 New York Foundling Asylum, 3d Ave.
 New York Mercantile Exchange.
 New York Tombs.
 New York Fire Department Headquarters 67th St.
 New York Fire Dept. Engine House Liberty St.
 New York Fire Dept. Engine House Elm St.
 Odd Fellow's Hall, Grand & Centre Sts.
 Orange Music Hall.
 Panorama Building, 55th St. & 7th Ave.
 Produce Exchange.

Roosevelt Hospital, 59th St. between 9th & 10th Aves.
 Shaeffer's Terrace Garden.
 Society for the Prevention of Cruelty to Children, 100 East 23d St.
 Standard Theatre, 6th Ave.
 St. Catherine's Hospital 81st St. & Madison Ave.
 St. Francis Hospital 613 & 615 East 5th St.
 St. Leo's Church, 11 East 28th St.
 St. Mark's Mission, Ave. A & 10th St.
 St. Mary's Hospital.
 Stock Exchange Building, Wall St.
 Theis's Music Hall & Garden, East 14th St.
 Twenty-third Regiment Armory.
 Twenty-fourth Regiment Armory.
 Twenty-sixth Precinct Police Station.
 United States Assay Office.
 Young Women's Christian Association 15th St. & 5th Ave.

STORES AND OFFICE BUILDINGS.

American Safe Deposit Co's Building, 42d St. & 5th Ave.
 Anis, Max, Greenwich St.
 Anderson Estate 12 & 14 John St.
 Andrade James, 95 Bleecker St.
 Ansonia Brass & Copper Co.
 Appleby Estate.
 Appleton D. & Co., Grand & Green Sts.
 Arnold, Constable & Co., 17th St.
 " " 19th St.
 " " 23d St.
 " " Union Square.
 " " Canal & Mercer St.
 Astor Estate, Broadway & Prince St.
 " " 6, 8, 10 & 12 Wall St.
 " " Grand St.
 " " cor. Houston & Green St's.
 " " 94, 96, & 98 Broadway.
 American Exchange National Bank.
 Altman B. & Co., 301 6th Ave.
 Baker, Smith & Co.
 Bank of the State of New York 33 William St.
 Barnes, Demas, 21 Park Row.
 Barrett, Nephews & Co., 5 & 7 John St.
 Baumen Bros, 22 & 24 East 14th St.
 Barber Shop, 61st St. & 9th Ave.
 Barr Co., Edward Ld.
 Becar, A., 187 Broadway.
 Beggs Jas. & Co., 9 Dey St.
 Benedict Building, Broadway & Cortland St.
 Bird, W. E., & Co.
 Black, J. R.
 Blackstone Building, Spring & Green Sts.
 Bloomingdale Bros., 3d Ave. and 59th St.
 Bogart, Albert G. & Bro., 115 Bank St.
 Bonner & Van Court.
 Bramhall, Dean & Co.
 Broadway Bank, 237 Broadway.
 " & 7th Ave. Railroad Office 50th St.
 Brokers' Exchange.
 Brooks Bros., Broadway & 22d St.
 Bryant Building, Nassau & Liberty Sts.

References.

- Building 102 & 104 Prince St.
 " 512, 514 & 516 Broadway.
 " 39 Broadway.
 " 69 & 71 Broadway.
 " 78 & 80 "
 " 746 "
 " 265 "
 " 369 "
 " 50 Exchange Place.
 " 16 & 18 Wall St.
 " 91 Wall St.
 " N. E. cor. Broadway & 17th St.
 " 47 & 49 Greene St.
 " 124 East 123 St.
 " 77th St. & Madison Ave.
 " 10 East 14th St.
 " 691 Broadway.
 " 38 Wall St.
- Busch Building.
 Callanan & Kemp.
 Carpenter, H. M. Building, 41 Liberty St.
 Carrens, A., 86 Maiden Lane.
 Carroll, D. J.
 Carter Building, 8th St. & Broadway
 Chattellons, John, Sons, 85 Cliff St.
 Chappel, Chase, Maxwell & Co., store.
 Cheeseborough, P. A., State & Pearl Sts.
 Claffin, H. B. & Co., store.
 Colwell Lead Co.
 Conners, I. S.
 Cooke & Co.
 Continental Insurance Co., 102 Broadway.
 Continental National Bank.
 Cohnfeld, Theo., 163 Greene St.
 Colgate & Co., John St.
 Cozzens, Edward C., 24 East 7th St.
 Dahne Bros. Store, 86th St. & 3d Ave.
 Davidson Building, 33 Bridge St.
 Deane Steam Pump Co., 92 Liberty St.
 DeForest, W. H., & Co., Broadway & Broome St.
 Demarest, W. J., 30 & 32 East 14th St.
 DeWitt Wire Works Co., 90 John St.
 Dimock, O. K., 77 Maiden Lane.
 Dicker, T. W. & Sons.
 Domestic Sewing M. Co., Broadway & 14th St.
 Donnell, E. J., 19 & 21 Bridge St.
 Dougherty, H. B. & W. H., 147 Bank St.
 Doying, Wm. L., 124th St.
 Dunham, Buckley & Co., store, Broadway.
 Duplex Steam Heater Co.
 Eagle Insurance Building, Wall & Pearl Sts.
 Eaton, Cole & Burnham Co.
 Edison Manufacturing Co., 65 5th Ave.
 Exchange Building.
 Fairbanks & Co., 311 Broadway.
 Farmers' Loan & Trust Co., 20 William St.
 Faulkner, F. G., Co., 41 Dey St.
 Field's Building, Whitehall St.
 Flanson, M., 416 West 71 St.
 Fleischman & Co., Perry & Washington Sts.
 Forrest Building.
 Fourth National Bank.
- Fox, Richard K., building, Dover & Pearl Sts.
 Fritsche Bros., 34 Barclay St.
 Frank, J. & Co.
 German Savings Bank, 14th St. & 4th Ave.
 German Life Insurance Co., Nassau & Cedar Sts.
 Germania Life Insurance Building, 149 Broadway.
 Gidley & Co., 75 Maiden Lane.
 Gillender, H. L., 2 Nassau St.
 Gillis & Geoghegan.
 Goelet, R. & O., Hudson & Leonard Sts.
 Gorton Boiler Co.
 Graham, C., & Sons.
 Goldenberg, S., store, 126 Greene St.
 Groff & Co., 208 Water St.
 Guernsey Building, Broadway.
 Haight Building.
 Hamburg-American Packet Co., 61 Broadway
 Hanover Insurance Co.
 Headquarters N. Y. Fire Department, 67th St.
 between Lexington & 3d Aves.
 Hearn Building, 23 & 27 West 13th St.
 Hegeman & Co., 203 Broadway.
 Hollender & Co., Beaver St.
 Holmes & Co.
 Howard Building, 176 Broadway.
 Huyler, 18th St. & Irving Place.
 Iselin, Neeser & Co., Canal & Greene Sts.
 Jamer, Jacob.
 James, E. F.
 Johnson, Geo. F., office building, 17 & 19 Broadway.
 Johnson, John F., 69 Wall St.
 Johnson & Morris.
 Kaufman, L. E., 1st Ave. & 33 St.
 Keily, T.
 Kelly & Jones Co.
 "Kemble" Office Building, Whitehall & Stone Sts.
 Kernochan Building.
 Kellogg, E. H., 13 Cedar St.
 Kingsland, A. C., 5th Ave. & 20th St.
 Kirschedt, F. A., 78 Grand St.
 Lawrence Building.
 Lawrence, W. B., Estate, White St. & Broadway.
 Le Boutillier Brothers, store, 50 West 23d St.
 Ledous & Rickett, 10 Cedar St.
 Lewis Building, 623 Broadway.
 Lincoln Safe Deposit Co., 42d St., opp. Vanderbilt Ave.
 Livingstone Building.
 Loeser, Fred., Prince & Greene Sts.
 Loudon & Johnson, 180 Chambers St.
 Lorrillard Estate, Jay & Greenwich Sts.
 " " 84 & 86 Chambers St.
 " " 61 to 73 Wooster St.
 " " 446 & 448 Broadway.
 " " 451 & 453 "
 " " 368 "
 " " 495 "
 " " 740 "
 " " 827 "
 Macy, R. H. & Co., 14th St. & 6th Ave.
 Maddock, T. H., 234 Broadway.
- Maddock Building, 35 Bleecker St.
 Manhattan Co. Building, 42 Wall St.
 Manhattan Real Estate Co.
 Manhattan Life Insurance Co. Building.
 Mahoney, M.
 Marcellus, C. N., & Co., 69 Varick St.
 Marine Bank, Wall & Pearl Sts.
 Manning, Maxwell & Moore.
 Mazette, T. F., 6th Ave. & 49th St.
 McCreery, James, stores, 22, 24 & 26 East 14th Street.
 McMann, T. R. & Bro.
 Merchant's Building, 4 & 6 Stone St.
 Meriden Britannia Co., 46 East 14 St.
 Miller, Chas. & Son, 19 Park Place.
 Mills & Gibbs, 452 & 468 Broadway.
 Minot, Hooper & Co.'s Stores, 53 Leonard St.
 Mitchell, Vance & Co.
 Mortimer Building, Wall St.
 Mount Morris Bank, 125th St. & 4th Ave.
 Mutual Life Insurance Co., 144 Broadway.
 Murray Building, 135 Broadway.
 New York Rubber Clothing Co., 487 Broadway.
 North River Bank.
 National Shoe & Leather Bank.
 Neal's, John, Sons.
 Office Building, 149 Broadway.
 " " 39 "
 " " 67 Wall St.
 " " 14, 16, 18 Wall St.
 O'Neil, H. & Co., 6th Ave. & 20th St.
 Orient Building, 41 Wall St.
 Orth, G. A., 25 Frankfort St.
 Parker, Stearns & Co., 79 Centre St.
 Peck Bros. & Co., 78 Beekman St.
 Peoples' Bank, Canal St.
 Phelps, Dodge & Co., 19 & 21 Cliff St.
 Potter Building, Astor Place & Broadway.
 " " Park Row.
 Parish, Daniel, Estate, 860 Broadway & 67 Wall Street.
 Pursell & Dwyer, 60th St., bet. 8th & 9th Aves.
 Ransom, W. H.
 Raymond, Russell, 42d St. & 5th Ave.
 Reay, M. A., 77 John St.
 Renwick, E. S., 19 Park Place.
 Roberts, E. E., 107 Liberty St.
 Rogers, H. A., 19 John St.
 Rothschilds, Jacob, 622 & 624 Broadway.
 Rutzler & Blake.
 Seasongood, I. & L., 83 & 85 Greene St.
 Seymour Manufacturing Co., 45 John St.
 Schermerhorn, W. L., 116 East 14th St.
 Schermerhorn Building, 96 Broadway.
 Schlesinger, M., Canal & Baxter Sts.
 Schultz, Carl H.
 Shoe & Leather Bank.
 Sidenburgh & Co., Broadway, Crosby & Houston Sts.
 Simmons, John.
 Simpson, Crawford & Simpson, 19th St. & 6th Ave.

References.

Sloane, W. & J., Broadway & 19th St.
 Smith, J. B., & Son.
 Solomon, M. & E., 85 Maiden Lane.
 Spingler Estate, 20 East 15th St.
 Standard Oil Co.'s Building.
 Stern Bros., 34 West 23d St.
 Sternburger, M. & L., 34 Thompson St.
 Stevenson Building, 44 & 46 Broadway.
 Stewart, T., 4 & 6 John St.
 Stone, Fred. J., 28-36 Liberty St.
 Store & Apartment, N. E. Cor. Broadway & 19th Street.
 Store, N. E. cor. Canal & Greene Sts.
 " 560-566 Broadway.
 " Broadway & White St.
 Street, Geo. O., & Sons, 15 John St.
 Stuyvesant, Rutherford, 1st Ave. & 10th St.
 Sutton Building, 30 West 23d St.
 Tailor, E. N., 45 Greene St.
 Taylor & Brylan.
 Tarrant & Co., 278 Greenwich St.
 Tivy, Lawrence.
 Temple Court.
 The Meyer, Sniffin Co., Cliff St.
 Tower, A., 691 Broadway.
 Tribune Building.
 Travers Bros., 52d St. & 10th Ave.
 Trask & Carmichael.
 Trumbley Building, Broadway & Beaver St.
 Union Dime Savings Bank.
 United Bank Building, Broadway & Wall St.
 United Brass Co.
 Urquhart, Jno. S., 46 Courtlandt St.
 Vanderbilt Building, Beekman & Nassau Sts.
 Van Buren Building, 7, 9, 11 West 13th St.
 Waefalaer, Louis, Co., 81 Beekman St.
 Wallbridge, A. C., Spring & Crosby Sts.
 Warren Mfg. Co., 45 John St.,
 Washington Bldg., 1 Broadway.
 Weathered, Thos. W.
 Wells Building, Broadway.
 Wendel's Saloon, 7th Ave. & 49th St.
 Western Union Telegraph Building.
 Weston & Fiske, 61 Water St.
 Wetman Building.
 Wheeler & Wilson Machine Co., 44 East 14th St.
 White Building.
 Wicke, Wm., & Co., 31st St. & 1st Ave.
 Wilson Boiler Co.
 Winslow, Lanier & Co., Nassau St.
 Wood, Wm., & Co.
 Wood, Hon. Fernando, 117 & 119 Nassau St.
 Wolffe, P. H. & Co.
 "World" Building, Park Row.
 Wolcott, Christy & Co., 524 West 23d St.
 Worthington Steam Pump Co., 82 Liberty St.
 Wysong & Kernochan, 61-65 West 23d St.

HOTELS AND RESTAURANTS.

Albermarle, Broadway & 24th St.
 Barrett House, Broadway & 43d St.,
 Belvidere, 4th Ave & 18th St.,
 Buckingham Hotel.

Cable's Hotel, 141 Fulton St.
 Centennial, 51st St. & 8th Ave.
 Continental, 902 Broadway.
 Delmonico Estate.
 Fifth Avenue Hotel, 5th Ave. & 23d St.
 Fishers', 38th St., & Broadway.
 Gedney House, Cor. Broadway & 40th St.
 Gilsey House, 1202 Broadway.
 Goelet Hotel.
 Hamilton, 5th Ave. and 42d St.
 Hotel Brunswick, 225 5th Ave.
 Hotel Martin, 9th St. & University Place.
 Hotel Normandie, 38th St. & Broadway.
 Hotel Royal, 40th St. & 6th Ave.
 Hotel Shelburne, 36th St. and 5th Ave.
 Irving House, 48 East 12th St.
 Langham Hotel, 52d St. & 5th Ave.
 Mulligan, P., 1259 Broadway.
 Murray Hill Hotel, Park Ave.
 Park Avenue Hotel.
 Parker's Hotel, 32d Street & 6th Ave.
 Purdy's, 52d St & 5th Ave.
 Rossmore Hotel, Broadway & 42d St.
 Schmenger, 194 3d Ave.
 University Place Hotel.
 Victoria Hotel, 5th Ave.
 Waverly Hotel.
 Webb's Hotel.
 Westminster Hotel.
 Windsor Hotel, 5th Ave. & 47th St.

CHURCHES.

Baptist Church, 56th St., between 8th & 9th Aves.
 Bloomingdale Reformed Church.
 Broome Street Church.
 Chapel of House of Refuge.
 Church of All Saints, 50 East 130th St.
 Church of Our Lady of Sorrow, Pitt & Stanton Sts
 Church of St. John the Evangelist, 351 East 55th Street.
 Church of the Holy Communion, 6th Ave., 20th St.
 Church of the Holy Redeemer, 3d Ave.
 Presbyterian Church, Madison Ave. & 24th St.
 St. Agnes', 43d St., near Lexington Ave.
 St. Andrews', City Hall Place & Duane St.
 St. Ann's Church.
 St. Augustine's Chapel, 105 East Houston St.
 St. James', Oliver St.
 St. John's, 21st St., between 5th & 6th Aves.
 St. Mary's, Grand & Ridge Sts.
 St. Leo's Church, 11 East 28th St.
 St. Patrick's, Mulberry St.
 St. Patrick's Cathedral, 50th St. & 5th Ave.
 St. Teresa's, 141 Henry St.
 St. Vincent De Ferrer, 66th St. & Lexington Ave.

RESIDENCES.

Aldham, F., 76th Street, near Madison Ave.
 Andreas, Mrs. J. J., 126 East 57th St.
 Beck, Mr., 5th Ave. & 30th St.
 Belden, W. H.
 Bookman, J., East 72d St.
 Comfort, Jno. E., 169th St. & Franklin Ave.

Cooper, Peter, Lexington Ave., near 22d St.
 Cowell, Fred., 81st St., bet. Lex. & 4th Ave.
 Dawdney, A., 65th St., near 5th Ave.
 Frazel, Edwin.
 Fergerson, Dr. Jas., Waverly Place.
 Gallatue, Frederick, 5th Ave. & 53d St.
 Gilsey, Henry.
 Herb, E. H., 515 W. 57th St.
 Hewett, Hon. A. S., 9 Lexington Ave.
 Hoe, R. J.
 Hughes, Rev. J. J.
 Jones, Mrs. M. Mason, 2 W. 58th St.
 King, Mrs. E., 431 5th Ave.
 Leibman, Jas., 40 East 74th St.
 McCreery, Robt., 5th Ave. & 74th St.
 McCormack, W. J. 55th St. & 1th Ave.
 Macy Villa Bloomingdale Asylum 117th St. & W. Boulevard.
 Marquand, H. G. 68th St. & Madison Ave.
 Merrill, E. R., 361 West, 19th St.
 Mintum, Mrs. Louisa, 22 N. Washington Sq.
 Methodist Home, 10th Ave., bet. 92d & 93d Sts.
 Pastoral Residence, Church Sacred Heart, 51st St. and 10th Ave.
 Pastoral Residence, St. Agnes' Church.
 Pope, W. B., 89th St.
 Powers, Rev. J., 105 East 30th St.
 Randall, S. S., 1323 Franklin Ave.
 Roach, David, 76th St. & Lexington Ave.
 Robertson, T. J., 13 East 56th St.
 Robertson, T. R., 13 East 50th St.
 Roosevelt, H. L., 18th St.
 St. Monica's rectory, 334 East 79th St.
 Steinhart, Selig, West 61st St.
 Thomas, F. F., East 41st St.
 Vanderbilt, Wm. K., 5th Ave.
 Wright, J. Hood, 172d St. & Ft. Washington.
 Wright, J. E., 127th St. & 7th Ave.
 Zensier, A., 58th St. & 10th Ave.

SCHOOLS.

Columbia Grammar School.
 Comstock's, Miss, School, 32-34 W. 40th St.
 Convent of the Holy Cross, West 42d St.
 Dominican Convent, 65th St. & Lexington Ave.
 Dominican Convent, 63d St. & 1st Ave.
 Five Points House of Industry, 155 Worth St.
 Grammar School No. 2, 116 Henry St.
 " " " 18, 121 East 51st St.
 " " " 51, 523 West 44th St.
 " " " 65, West Farms.
 " " " 68, 128th St., near 6th Ave.
 " " " 72, Lex. Ave., bet. 105 and 106th Sts.
 Hebrew Orphan Asylum.
 Primary School No. 9, 42 1st Ave.
 " " " 11, 31 Vestry St.
 " " " 31, 200 Monroe St.
 " " " 32, 36th St. & 9th Ave.
 " " " 36, 70 Monroe St.
 And over 30 other Public Schools.
 R. C. Orphan Asylum.
 St. Anne's School.

References.

School for Ethical Culture, 109 West 3rd St.
 Sisters of St. John's Convent, 205 East 17th St.
 St. Catherine's Convent, 81st St. & Madison Ave.
 St. Gabriel's School, East 36th St.
 St. James' School, James St.
 St. James' School, New Bowery & James St.
 St. John's College, Fordham.
 St. Joseph's Industrial Home, 81st St. & Madison Ave.
 St. Patrick's School, Mulberry St., 50th St. and Lexington Ave.
 St. Vincent de Paul School & House, West 24th St.
 St. Vincent's Home for boys, Gt. Jones St. & Lexington Ave.
 St. Vincent's Hospital, 12th St., bet. 6th & 7th Aves.

NEW MEXICO.

Santa Fe.

Capitol Building.
 Sisters Hospital.

NEWFOUNDLAND.

St. Johns.

Gear & Co.
 Gemmel, Hugh.

NORTH CAROLINA.

Ashville.

Coxe, Col. Frank.

Charlotte.

Charlotte Oil Co.

Goldsboro.

"Messenger" Newspaper Office.
 Steamboat "Alpha."
 " "Louise."

Raleigh.

Briggs, Thos. H.
 St. Mary's School.
 Stevenson, T. J.

Wilmington.

Burr & Bailey.
 U. S. Revenue Steamer "Colfax."

OREGON.

East Portland.

Wade, R. M., residence.

Portland.

Everding, Henry, residence.
 Gardner, W., & Co.

OHIO.

Canton.

Conatton Railroad Depot.
 General City Offices.
 Gibbs, Lewis, residence.

Cincinnati.

Cincinnati Lead, Pipe & Sheet Lead Works.
 Keichling, J.
 Kirkup, Wm., & Sons.
 Standard Marble Works.

Chicago Junction.

Balto. & Ohio R. R. Depot.

Cleveland.

City Hospital.
 McIntosh, Good & Huntington.
 New Medical College Building.
 Stillman Building.
 Worswick M'fg Co.

Clifton.

Convent of the Sacred Heart.

Columbus.

Balston, A. L.
 Columbus Insane Asylum.
 Columbus Brass & Steam Pipe Works.
 Deaf & Dumb Asylum.
 Idiotic Asylum.
 Hayden, Wm. B., residence.
 Hayden, Chas., residence.
 Hutchinson, S. G.,

Dayton.

Brooks & Kemper.
 Spinning, D. C., residence.

Findlay.

School Building.

Fostoria.

Foster's, Gov., Block.

Granville.

Kerr, Mrs. W. P., residence.

Lima

Allen County Court House.
 Allen County Jail.
 Allen County Infirmary.
 Porte, W. L., residence.

Miamisburgh.

Brookwater, D.

Mt. Vernon.

Cooper, C. & G., & Co.
 Fairchild, F. L., residence.
 Union School Building.

Newark.

Bailey, J. S., residence.
 Baker, M. Q., residence.
 Black, Dr. J. R., residence.
 Johnson, J.
 Jones, William.
 Kibler, Chas. H., residence.
 McNamar, J. H., residence.
 Miller, A., residence.
 Miller, William, residence.
 Newark Water Works, office.
 Strong, Henry C., residence.
 Thomas, Jas. E., residence.

Painesville.

Wetherbee, E. G.

Ravenna.

Portage County Court House.

Springfield.

Arcade Hotel.

Stenbenville.

City Hall.
 Opera House.

Tiffin.

Methodist Episcopal Church.
 School Building.
 Shawhan House.

Toledo.

Foster, S. Z. residence.
 Shaw, Kendall & Co.
 Milburn, C. F., residence.

Warren.

Lyman, Dr. A. E., residence.
 Pendleton, W. C.

Zanesville.

American Encaustic Tiling Co.
 Bailey, Willis, residence.
 Clarendon Hotel.
 Gibbons, Geo., residence.
 Griffith, Thos., residence.
 Hoge, John, residence.
 Le Roy & Stemm, store.
 New Passenger Depot B. & O. Rail Road.
 Pinkerton, J. W., store.
 Roeckel, A.
 Stevens, Wheeler, residence.
 Townsend, W. C., residence.

PENNSYLVANIA.

Allentown.

Albright, Son & Co.
 Allen House.
 Grossman, W. & C., factory.
 Taylor, W. H. & Co.

Altoona.

Cannon, M. H.
 Elder, R. T.
 McLanahan & Stone.
 St. Luke's Episcopal Church.

Athens.

Stimpson House.

Audenried.

Bullock, E. L., residence.
 Dodson, C. M., & Co.

Barneston.

Isabella Furnace and Offices.

Bethlehem.

Bethlehem Iron Co.
 " Silk Mill.
 General Office L. V. R. R. Co.
 Jetter Tinsley.
 Laufer, Edwin
 Lehigh University.
 Pacific House.
 Rice, Thos., J.
 St. Luke's Episcopal Hospital.
 Sayre, Robt. H., General Manager L. V. R. R.

Blairsville.

Blairsville Female Seminary.
 Kirtland, A. P.
 Pennsylvania Railroad Depot.

Bloomsburg.

Barton, Caleb.
 Bloomsburg Steam & Elec. Light Co.
 Brower, E. B.
 Creasy, D. A.
 Ikler, E. R.
 St. Paul's Episcopal Parsonage.
 The Rest Curé.
 Wintersteen, L. S.

References.

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| <p>Bridgesburg. Laboratory, E. & G. Brooks Iron Co. Lyford, Major L. C., residence.</p> <p>Bristol. St. Mary's Church.</p> <p>Carlisle. Carlisle Mfg. Co. Henninger, Dr. Geo., residence.</p> <p>Catasauqua. Catasauqua Mfg. Company's Office. Holly Wee Coffee House. Hunt, Joseph, residence. Thomas, Samuel, residence.</p> <p>Catawissa. Schwick, Charles.</p> <p>Centralia. Catholic Church. Russell, Rev. J. J., residence.</p> <p>Chambersburg. Franklin County Court House. Ives, Major Chauncey.</p> <p>Chester. Baker, J. F. Burke, W. Scott. Delaware County National Bank. Gartside & Turner. Hotel Cambridge. Mather, William. Shaw, Esvey, & Co. Shaw, Hugh. Wetherill, Robert, & Co., office & drawing room.</p> <p>Chickies. P'enna. Railroad Depot.</p> <p>Clarion. Arnold's, M., building.</p> <p>Columbia. Craig, Dr. A., residence. R. & C. Railroad Depot. Wilson, Hiram.</p> <p>Collegeville. Willard, P.</p> <p>Conneautville. Warmald, Robert, residence. Warmald, Mrs. J., residence.</p> <p>Cory. St. Thomas' Church.</p> <p>Cresson. St. Frances' College.</p> <p>Danville. Scofield, J. E., & Co. State Hospital for Insane.</p> <p>Duncannon. Richter, W. H.</p> <p>Easton. Leitz, Charles.</p> <p>Edinborough. State Normal School.</p> <p>Elizabethtown. Eaby, Simon A., residence. Farmers' Bank.</p> <p>Evansburgh. Alms House.</p> | <p>Erie. Ashby & Vincent's Building. Ball, Hon. G. J. Brein, R. O., residence. Butler, W. J. Butler, M. Casey, James, residence. Downing, Hon. J. F., Ins. Building. Downing, Hon. J. F., residence. Dumgaris, Dr., residence. Dunnigan, Dr. M. C., residence. Dunning, M. A. Erie County Court House. Fry, Geo. E. Galbraith, Hon. W. A., residence. High School. Jarecki, Charles, residence. Jarecki, Hays & Co. MacIntosh, J. C., residence. Masonic Building. Mercer County Court House. Mercer County Alms House. Orphan Asylum. Reed, Hon. Chas. M., residence. Reed Estate. Reed House. Tracy, D. D., residence.</p> <p>Ferndale. Catasauqua Manufacturing Co., offices.</p> <p>Flemington. Humphrey, L., residence.</p> <p>Foxburgh. Foxburgh Hotel.</p> <p>Frainers. Frainer, D. & Sons. Frainer, D. Frainer, E. E. Frainer, W. E.</p> <p>Franklin. City Hall. Clarke & Eunice. Eclipse Lubricating Oil Co.</p> <p>Germantown. Eberlie, Chas. L., residence. Hendrickson, S. A. Hinkle, David, residence. Woodcock, Thos., & Son.</p> <p>Greensburg. Westmoreland County Alms House.</p> <p>Greenville. Fell's Hotel. Packard, D. P.</p> <p>Hanover. Bingley, J. J. Keagy, Jas. G. Young, W.</p> <p>Harrisburgh. Alms House. Bochman, F. A. Bradley, P. P. Holberts, H., residence.</p> | <p>Marklays, Dr., drug store Pennsylvania State Lunatic Asylum. Quickel, H. F.</p> <p>Hatboro. Cope, Alfred. Monkley, Dr. A. W.</p> <p>Hazleton. Bright, J. C., & Co. Dryfoos, H., market. Markle Bros. & Co., Bank. Moyer, John C.</p> <p>Holidaysburgh. McLanahan & Stone.</p> <p>Homewood. Swartze, J. E., residence.</p> <p>Housesdale. Rose, L. O. Baker, H. F.</p> <p>Johnstown. Cambria Iron Co., Club House. General Offices and Laboratories Odd Fellows' Hall.</p> <p>Kittanning. Reickert Bros. Reickert, J. E., residence and store.</p> <p>Landisville. Kauffman, J. H. Long, C.</p> <p>Lancaster. Arnold, J. T. Bachler, L. H. Best, John, residence. Best, John, & Sons. Buckenderfer, N. Graham, Dana, residence. Hotel Franke. Heller, Jno., residence. Heller, Jno., hotel. Heitshn, Wm. Intelligencer Printing & Publishing Co. Johnson, O. S., & Co., store. Kendig, John S. Keystone Lock Works. Lackawanna Court House. Lancaster Cork Works. Leopard Hotel. Lipp, H. S. Mannerchor Hall. Martin, J. B. Mayer, Israel P. Metzger, J. L., Residence. Northern National Bank. Reed, McGrann & Co. Rohner, Jeremiah, residence & store. Smith, W. J. Stam, Frederick, residence. Ricker, F. A., residence. Stamm, Fred'k. Stettler, S. N. & Co., store. St. Mary's Academy.</p> |
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References.

Lebanon.

Cornwall & Lebanon, R. R. Co., Offices.
Mease, Mr., residence.
Uhler, Clarence, residence.

Lewisburg.

Baker House.
Bucknell Female Institute.
Brown & Dankles, store.
Reber, David, residence.
Dill, Hon. A. H., store.
Dill, Hon. A. H., residence.
Dreisbach, C., office.
Lewisburg Plumbing Co.
Benshoff, L. A. & Co.

Littiz.

Brubacker, N. K.
Buckhart, A. M.
Erly, Jno. B., residence.
Linden Hall Seminary.
Regennes, W. H.

Lock Haven.

Martin & Conderman.

Mauch Chunk.

Packer, Mrs. H. E.
Saunders & Wetzell.

Manheim.

Klein, Abraham
Manheim "Sentinel."
Sunny House.
Tyson, A. Harvey.

Meyersdale.

Parker, J. A.

Mifflinburg.

Glover, Hon. H. P.

Milford.

Baker, H. T.

Milton.

Milton Gas Fitting & Plumbing Co.
Schreyer, W. A., residence.
Wilson, R. F.

Mount Holly Springs.

Mount Holly Springs Paper Co.

Mount Joy.

Engle, D. H.
Hoffman, S. S.
Linderworth, H. H.
Peiffer, Martin B.

Mount Carmel.

Renn & Co.
Ward, M. P.

Nanticoke.

James, John H., Hotel.
Savage, Simon.

Newville.

McCachson, Rob't.

New Wilmington.

Ladies' Dormitory

Norristown.

Brown, Q. Martin, & Co.
Hutchinson, Streeper, residence.
St. Patrick's Church and School.
State Hospital for Insane.

North East.

Short, Hon. Alfred.

North Grafton.

Nelson, J. S., & Son, Boot Manufactory.

Osceola.

Tubbs, Henry, residence.

Oxford.

Burling, W.

Packerton.

Car Shops, L. V. R. R.

Philadelphia.

Allen, W. H. & G. H.
Am. Baptist Publication Society Building.
Arnot, Wm., Chestnut Hill.
Ayres, Wm., & Son.
Barnet, G. A., & Sons.
Bartholomay Brewing Co.
Belfield, H., & Co.
Blumenthal Bros.
Brogan & Smith.
Broad St. Station, Penna. R. R.
Brown, Owen & Taylor.
Bryn Mawr College.
Bricklayer's Hall.
Cadwallader, Frank.
Cathedral T. A. B. Hall.
Chelton Ave. Station.
Children's Homœopathic Hospital.
Cooper, Wm. S., & Co.
Collins, A. M., Son & Co.
Company "B." Armory.
Consolidated National Bank.
Devlin, Thos., & Co.
Devon Inn.
Dyatt, M. J.
Egyptian Musee.
Ellison, J. B., & Sons.
Erdman, Francis B.
Estate Wm. Forrest.
Faith, S., & Co.
Faros & Hartman.
Fairmount Worsted Mills.
Finley, Acker, & Co.
Flan, Rev. Michael, residence.
Friend's Select School, 16th & Cherry Sts.
Ford & Kendig.
French, Richards & Co.
Froelich Bros.
Garney, Rev. P. J., residence.
Getze & Reeves.
Girard Estate.
Grace Baptist Church.
Grand Central Theatre.
Green's Restaurant.
Gregg & Bowe.
Haehnlen Building.
Harding, John.
Harrison Bros & Co.
Harrison, Joseph, Jr., Estate.
Horn, W. H., & Bro.

Hotel Lafayette.

House of the Good Shepherd.

Hunter & Dickson.

James Logan School.

Johnston's Ink Works.

Judge, Wm., & Bro.

Knickerbocker Ice Co., Building.

Lewis, H. K., & Co.

Maneely, John.

Marks Bros.

McGowan, D.

McGuire, James.

McNeely & Co.

Merchants' Exchange.

Morris, E. P.

Mullholland, Rev. J. E., residence.

Mulliken, H. E.

National Theatre.

Naylor, Jacob, Girard Ave. and Front St.

Northwestern Bank.

O'Connor, Rev. C. P., residence.

Office Building, 6 South Merrick St.

Pancoast & Maule,

Patent Metal Works.

Phila. Music Academy.

Phila. Steam Heating Co.

Presbyterian Orphanage.

Provident Life & Trust Co. Building.

Reading Iron Works Warehouse.

Real Estate Trust Co.

Royal, Chas. H.

Russell & Armstrong.

Saller, Lewin & Co.

Smedley House.

Snellenburg & Co.

Stores, 7, 19, 721, 723 Vine St.

St. Frances School. 24th and Green Sts.

St. Frances', residence.

St. James' Church.

St. James' Parochial School.

St. Joseph's Hospital.

St. Patrick's School.

Thompson Bros.

Temple Theatre.

Trismuth Bros., & Co.

Twenty-Fifth District Station House.

United States Mint.

Union Insurance Co.

Van Beil, H., & Co.

Victoria Hall.

Wanamaker & Co.'s Store.

Warder & Montgomery Hospital.

Wingate, Webb & Melvin.

Wissahickon Inn.

Wilbur, H. O., & Sons.

Weir & Nixon,

Whetstone & Co.

Wright, Peter, & Sons.

Phillipsburg.

Passmore House.

Shepard, Dr.

References.

Phoenixville.

Hunter, Theo.
Lippert, M. L.
Shaffer, V. N.

Pine Creek.

Gale, W. & R.

Pine Grove.

Wernitz, Jno. F.

Plymouth.

Lindsay & Co.

Pittsburgh.

Alleghany Hotel.
Anderson Hotel.
Armstrong Bro. & Co.
Baird's Restaurant.
Best, Fox & Co.
Clentick, M., Estate.
Duquense Bank.
French, Dr. Gale.
Garretson & Ricketson.
Home for Incurables.
Horne's, Jas., dry goods house.
Hotel Duquense.
Jenkins, T. C.
Kauffman Bros.
Kelly & Jones Co.
Lewis Building.
Lutz, D., & Sons.
McGinness, Smith & Co.
McGraw, P.
Office of Crescent Steel Works.
Office of Westinghouse Air Brake Co.
Painter & Sons.
Pittsburgh Club.
Penna Incline Plane Co.
Pittsburgh Petroleum Exchange.
Pittsburgh High School.
Royal Insurance Co.'s Building.
Schwartz, J. E., residence.
Schmidt & Friday Building.
Second Ward School.
Seventh Avenue Hotel.
Sixth Ward School.
Stewart, Robert, residence.
Twenty-Third Ward School.
United Pipe Line Offices.
Westinghouse, H. H., residence.
Y. M. C. A. Building.

Pittston.

Butler Colliery Co.

Pottstown.

Fire Engine House.
Shoemaker, C. B., residence.

Pottsville.

Lineweaver, Dr. W. J.

Plymouth.

Lindsay & Co.

Reading.

Basby, John.
Beaver, Dr. D. B. D.
Bessinger, Philip.
Boyer, D. B. residence.
Centre St. Public School.

Coleman, Wm. N., residence.
Davis, F. B.
Eckert, H. S., Pres. Farmers' National Bank.
First Presbyterian Church.
Goodman, Jas., residence.
Green St. Public School.
Greth Machine Works.
Home for Widows and Single Women.
Jacobs, T. S.
Keiser, David.
Knight, John.
Kline, Wm., residence.
Leinbach, J. C., residence.
Muhlenberg, Dr. W. F.
Muhlenberg & West.
Nyce, C. S.
Pennsylvania R. R., new depot.
Philadelphia & Reading R. R. Dining rooms.
Public School.
Raser, Dr. John B.
Reading Iron Works.
Rosenthal, W., Editor "Reading Post."
Schaeffer, Chas. H., residence.
Sheible, J. N.
Scull, Edward.
Summons, F. S.
Stroehecker, Jacob, residence.
Stevens, G. A., office.
Tyson, A. Harvey.
Weida, Solomon, residence.
Willson, T. A., residence.
Wood Memorial Chapel.

Refton.

Herr, Daniel.

Renovo.

Murphy, James, residence.
O'Hagan, Jas., residence.
O'Hagan, P., & Son, store.
Pennsylvania R. R. Superintendent's & Master
Mechanic's Residences.
Roberts, Thos. A., residence.
Russ, Frank, restaurant.
Public School Building.

Richlandtown.

Shelly, J. H.

Ridley Park.

Ridley Park Hotel.
School Building.

Ridgeway.

Elk County Court House.

Sayre.

General Offices Pa. & N. Y. R. R.
Packer, Robt. A., residence.

Scranton.

Belin, H., residence.
Burke, O. T.
Connell, Wm., residence.
Davis, E. J., store.
D. L. & W. R. R. Depot.
Finch, I. A., & Co.,
First National Bank Building.
Francois, Alex L., residence.

Galland, B., residence.

Goldsmith Bros.

Hand, Ion. A., residence.

Hunt & Connell, Ltd.

Hulbert, A. A., residence.

Insane Asylum.

Jermyn's, John, Coal Ex. Block.

Lackawanna County Court House.

Lackawanna Hospital.

Lawler, Jas. J., store.

Leonard Bros.

Lewis, E. R.

Manly, P. D., stores, residence and hall.

Mear's Hotel.

Matti, C. F., G. M. L. I. & C. Co., residence.

Memorial Hall Assn.

O'Brien, Richard, residence.

Platt, J. C., residence.

Post Office.

Sanderson, J. Gardner, residence.

Scranton Supply & Hardware Co.

Scranton Steel Co.

St. Cecilia's Academy.

St. Charles Hotel.

The Lackawanna Iron & Coal Co., stores.

" " " " " offices.

" " " " " laboratory.

The Pancoast Coal Co., store and office.

Van Stouch, Wm., residence.

Willard, E. A.

Williams, L. J., residence.

Y. M. C. A., building.

Sharpsville.

Sharpsville School.

Shenandoah.

Schimpf Bros.

Smithport.

McKean Co., buildings.

Silver Brook.

Silver Brook Coal Co.

St. Mary's.

Church of the Sacred Heart.

Commercial Hotel.

German Catholic Church.

Haul, Kaul & Co.

Hall, J. K. P.

Kaul, A., residence.

Luhr, Charles, store.

Sheffield.

Horton, Walter, residence.

Sharon.

First Presbyterian Church.

Walker & Carley, office.

South Bethlehem.

Bethlehem, Iron Co's., store.

Lamberton, Dr. R. A.

Halacher, J. B.

Laufer, Edwin, residence & office.

McEnroe, Rev. Father Philip.

Pacific House.

South Easton.

Franklin Steam Fire Engine Co.

Fryberger, H.

References.

Hubb, Jacob, L. V. R. R. Shops.
 Turner, Amos.
 L. V. R. R. Depot.
Strasburg.
 Groff, A. J.
Sunbury.
 Cake, J. N., residence.
Thurlow.
 Standard Steel Casting Co.
Tidioute.
 Tidioute Chair Co.
Tloga.
 Odd Fellows Ophanage.
 P. & R. R. R. Depot.
Towanda.
 Hale, E. W., residence.
 Dye, A. D., & Co.
Trainer.
 Trainer, D. & Sons.
Troy.
 Bowen, D., residence.
Uniontown.
 Baylis, Hon. C. E., residence.
 Fayette County Alms House.
 Opera House.
Upland.
 Theological Seminary.
Warren.
 Strutheas Hotel.
 Warren Opera House.
Watsonstown.
 Watsonstown Planing Mill.
Waynesboro.
 Aller, J. F.
 Frick, A. O.
 Frick, George.
 Landes, F. F.
 Miller, J. J.
 Moore, Geo. W.
 J. Phillips.
 Shoemaker, J. P.
Weatherly.
 Hoffecker, Phillips, M. M. L. V. R. R.
Wellsboro.
 Cole's House.
 County Clerk's Office.
 Parkhurst House.
West Chester.
 State Normal School.
West Point.
 West Point Engine & Machine Works.
Wilmington.
 Westminster College.
Wilkesbarre.
 Carpenter, B. G., & Co.
 Central School Building.
 Hancock School Building.
 L. V. R. R. Depot.
 N. Y. C. & H. R. R. R. Depot.
 P. & N. Y. C. R. R. R. Depot.
 Shelley, Geo.
Williamsport.
 Bloodgood, J. F.
 Bower, Henry, restaurant.
 Coleman, F.
 Coleman, Fletcher, residence.
 Court House.

Corning, L. L., National Bank.
 Cummings, Judge, residence.
 Forsman, R. M.
 Henry House.
 Parker, J. O. residence.
 Ryan, S. R. F., residence.
 Sanderson, G. H., residence.
 Spafford, O. J., residence.
 Wagner, A. L.
 West Branch National Bank.
 Williamsport National Bank.
Wind Gap.
 Leibert, George.
Witmer Sta.
 Musselman, C.
York.
 Chambers, Thos., & Co.
 County Alms House.
 Farquhar, A. B.
 First M. E. Church.
 Frey, Enoch.
 Hoffman, Amos.
 Killer, David.
 Lehmayr & Bros., store.
 Marshall, L. W.
 Patten, Jno. & Co.
 Small, D. E., Estate.
 Stuck, O.
 Torry, David.
 Weiser, Carl & Son.
 Weist, P. C.

RHODE ISLAND.

Bristol.
 Church, Samuel W.
Newport.
 Granby, C. E.
 Havenmeyer, T. E., residence.
 Newport Gas Light Co.
Pawtucket.
 Pawtucket Steam & Gas Pipe Co.
 Roy, Elmer M.
Providence.
 Darling, M. V. P.
 Rumford Chemical Works.
 Masonic Hall.
 Tierney, P. & J.
 Winsor, Ira, & Co.

SCOTLAND.

Glasgow.
 Combe, James, & Son.

SOUTH CAROLINA.

Charleston.
 Cameron & Barclay.
 Charleston Aotel.
 City Hall.
 Court House.
 Mallonee, J. C.
 Shepard, Dr. Chas. U., residence.
 Str. Pocosin.
 Valk & Murdoch.

Valk, C. R., residence.
 Walker, Evans & Cogswell.

Columbia.

The Oliver Oil Co.

TEXAS.

Austin.
 Tips, Walter.
Corpus Christie.
 Carroll, Chas.
Galveston.
 Beach Hotel.
 Second District School.
 Tremont House.
 West End School.
Houston.
 Capital Hotel.

TENNESSEE.

Jackson.
 Court House.
 Post Office.

UTAH.

Provo City.
 Pike, Dr. W. R.
 Territorial Insane Asylum.
Salt Lake City.
 Benedict, Dr. Jas., residence.
 Connelly, Mrs. T. D.
 Ellerbeck, T. W., Supt. Salt Lake City Gas Co.
 First National Bank.
 Fox & Symons
 Graves, Dr. W. H.
 Heesch & Ellerbeck.
 Hills, L. S., Cashier Deseret National Bank.
 Midgley & Sons.
 Park, Boyd.
 Pitt, W. H., residence.
 Roberts, Bolivar.
 Salt Lake Herald.
 Salt Lake Daily Tribune.
 Sebree, Howard.
 Salisbury, O. J.

VERMONT.

Bellows Falls.
 Brown, A. H. & T. H.
Bennington.
 Newton's, W. D., Building.
 Valentine's, A. B., Building.
Burlington.
 Wheelock & Kingsland.
 Nash & Roche.
 Griffin, Jno. & Son.
Rutland.
 Channell, C. E.
 Valequette, E. A.
St. Albans.
 Noble, G. C., residence.
 Greene & Clark.
St. Johnsbury.
 Thompson & Goss.

References.

VIRGINIA.

Alexandria.

Lannon, John.

Danville.

Newton House.

Fredericksburgh.

Fleming, D. E.

Hurkamp, A. G.

Presbyterian Church.

Grafton.

Sincil, A.

Hampton.

National Home for Disabled Soldiers.

Normal & Agricultural Institute.

Lynchburg.

Guggenheimer Building.

National Bank.

National Hotel.

New Arlington Hotel.

Marion.

So. Western Lunatic Asylum.

Petersburgh.

Brady, J. B.

Central Lunatic Asylum.

Richmond.

Ballard Hotel.

Bargamin, G. & A.

Christian, E. D.

Exchange Hotel.

First Regiment Armory.

Harris, A. T.

Morris Street School.

Shanks, John.

Saunders, E. A.

Tanner, W. E., residence.

Tanner & Delaney Engine Co.

Thomas, Mrs. Jas., residence.

Young Men's Christian Assn.

West & Branch.

Williamsburgh.

Eastern Lunatic Asylum.

Winchester.

Barton, R. P.

WASHINGTON TER.

Spokane Falls.

Sacred Heart Hospital.

WEST VIRGINIA.

Bethany.

Eyster, J. A.

Pendleton, W. K., residence.

Martinsburg.

Cline, Conrad, residence.

Faulkner, Judge Chas. J., residence.

Jones, W. L.

Ranceverte.

Ranceverte Foundry Co.

Wheeling.

Trimble & Lutz.

WISCONSIN.

Appleton.

Waverly House.

Bayfield.

Bayfield Co. Court House.

Black River Falls.

Pope's, Colonel, residence.

Chippewa Falls.

Chippewa Lumber & Broom Co.

Stanley House.

Eau Claire.

Bailey, W. F.

Fon du Lac.

Fon du Lac Hospital.

Davis, Mrs., residence.

Milwaukee.

Adler, D.

Belvidere Building.

Chapman, F. A., & Co.

Chicago, Milwaukee & St. Paul R. R. Station.

Finney, J. N.

Fourth District School.

Johnson, J. B., residence.

Light Horse Squadron Armory.

Mack Block.

Mendels, H. M., residence.

O'Connor, W. P., residence.

Rundle, Spence & Co.

Stark Bros., & Co.

State Normal School.

Twelfth District School.

Y. M. C. Ass'n. Bldg.

Windsor Hotel.

Oshkosh.

Foster, Carlton.

Loper, Mrs. J. R.

Morgan, Joh

Rundle, C. L.

Washburne, Hon. G. W.

Waukesha.

Waukesha County Jail.

WYOMING.

Cheyenne.

Carey's, Judge J. M., & Bro., Buildings.

Carey's, Judge J. M., Residence.

Catholic Convent.

Catholic Church.

Cheyenne National Bank Block.

Dauids, E. C., residence.

Dolan, T. F., & Co.

Holt, Geo. L., store.

Kent, T. A., residence.

Masten, Charles, residence.

Means, F.

Morgan, George F., residence.

Post, M. E., residence.

Ritchell, A. F.

Sun Building.

Swan, A. H., residence.

Swan, W. R., & Co.

Truckley & Van Dyke, store.

Zehner, Jackson & Buchner, store.

Laramie City.

Reilly, C. J.

Simons, J. H.

BRITISH COLUMBIA.

New Westminster.

St. Mary's Hospital.

Victoria.

Arcade Building.

St. Ann's Convent.

Y. M. C. A. Building.



PERUSAL of the following letters and extracts, condensed as much as possible, and taken from a large number of similar testimonials, will enable our friends to judge of the estimate in which the Bundy Radiators, both for Steam and Hot Water, are held by the Architect, Consumer, Jobber and Steam Fitter. We here present representative testimonials from each class, and for convenient reference we give below a classified index of the same :

| | |
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| Architects' Testimonial Letters, | 86, 92. |
| " Kind Words, | 87, 93. |
| Consumers' Testimonial Letters, | 88, 94. |
| " Kind Words, | 89, 95. |
| Jobbers' Testimonial Letters, | 82, 84, 90, 96. |
| " Kind Words, | 83. |
| Steam Fitters' Testimonial Letters, | 84, 90, 96, 98, 99, 100. |
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Office and Factory, 15, 17 & 19 East 9th St.
Warehouses, 16, 18 & 20 East 9th St.

Cincinnati, O. Sept 28 1888



A. A. Griffing Iron Co
Jersey City N.J.

Sirs; For a number of years we have been handling your Bundy radiators, previous to which time we had sold wrought iron return bend radiators; but we could not help noticing the great enquiry for your goods hence made application to you to allow us to handle them in this vicinity. After doing so for some time we wish to state that they have proven the best selling radiators we have ever handled. They give splendid results and the growing demand for them among steamfitters is evidence of their superiority.

They are now in use in many of our best buildings here and public institutions in this State, Indiana and Kentucky.

Yrs truly
Clark & Hawley

What the JOBBERS say about the BUNDY RADIATOR.

Mr. Wm. B. DUNNING, New York Central Iron Works, Geneva, N. Y., writes, Nov. 5th, 1887.

"Send at once the tops for 12 Bundy Radiators. They have all been through a fire and stood the racket well. I now want tops for them and that will make them as good as new."

FAIRBANKS & CO., Albany, N. Y., write, March 1st, 1886.

"We have sold quite a number of your Radiators, which have given entire satisfaction."

EDWARD L. DENT & CO., Washington, D. C., write, April 7th, 1888.

"The four hot water radiators arrived safely and are satisfactory."

JACKMAN & BILLINGSLEY, Wichita, Kas., write, March 26th, 1888.

"The contractors recognize the superior merits of your radiator."

Mr. A. M. RAMSEY, Louisville, Ky., telegraphs, Aug. 31st, 1888.

"I prefer your goods."

PRESCOTT & ALLEN, Topeka, Kas., write, Sept. 15th, 1888.

"We like your radiator."

Messrs. E. G. SCHAFER & CO., Washington, D. C., write, Oct. 31st, 1888.

"We always recommend your radiators."

RICHARDSON & BOYNTON CO., N. Y. City, write, Oct. 5th, 1888.

"We know that we have the best boiler on the market, and in all cases where your radiator has been used in connection with our boiler it has given universal satisfaction."

RAYMOND FURNACE MFG. CO., N. Y. City, write, Feb. 2d, 1888.

"We have been using the 'Reed' radiator extensively, but do not like them as well as the Bundy."

Wm. GARDNER & CO., Portland, Ore., write, Mar. 7th, 1888.

"We made it our business to convince the Architect that the Bundy was what was wanted, and as he is an intelligent man he readily saw their advantages."

Mr. THOS. W. WEATHERED, 46 & 48 Marion St., N. Y. City, writes, Mar. 16th, 1888.

"I am in favor of the Bundy Radiator."

OBY & CO., Canton, Ohio, write, Mar. 20th, 1888.

"We like your goods."

JOHN H. CRABTREE & CO., Newbern, N. C., write, April 23d, 1888.

"The Hotel 'Albert' of this city is using 32 of your Bundy Radiators and they are doing all that you claim for them."

WEBB & RUNDLE, Oshkosh, Wis., write, April 21st, 1888.

"We have used the Bundy Radiators for the past four years and consider them the best in the market."

EDWARD L. DENT & CO., MECHANICAL AND STEAM-HEATING ENGINEERS,

— Steam and Hot Water Heating and Ventilation, Elevators, Etc. —

DE LAMATER STEAM PUMPS.
NONPAREIL STEAM HEATER.
GURNEY HOT WATER HEATER.

— AGENTS FOR —

PORTER MAN'G CO., (LIMITED.)
STEAM ENGINES AND BOILERS.
STONE CRUSHERS, ETC.

OFFICE: 1413 G Street Northwest,

Telephone Call 451-3.

Washington, D. C., August 29th 1888

A. A. Griffing Iron Co
Jersey City N. J.

Gentlemen: In reply to your favor of the 21st inst. we would say, We have used the Bundy Radiators exclusively, both direct and indirect for Steam and Hot Water in our work since we started business, amounting to many thousand feet of surface, and always found they gave perfect satisfaction being compact effective, and unmanipulated, and circulating easily. We specify the Bundy in all of our estimates. We recommend all persons contemplating putting in an apparatus to examine the "Bundy" before ordering elsewhere. Our dealings with your firm have always been most satisfactory and our orders shipped promptly and correctly.

Yours Respectfully
Edward L. Dent & Co

What the STEAM and HOT WATER FITTERS say about the BUNDY RADIATOR.

Mr. JNO. H. LUSCOMBE, Latham, Ont., writes, March 3d, 1886.

"The party with the Bundy Radiator is more than satisfied, whilst the other with the box coils is regretting that he had not also used the Bundy."

Mr. C. B. HOLLY, Steam Heating Engineer, Philipsburg, Pa., writes, Jan. 21st, 1888.

"Please let me thank you for the New Year's Card and Paper Weight, and also allow me to say that they are only excelled by the Radiator which they represent."

Mr. JOHN HAINES, Proprietor Mt. Airy Machine Works, Woodstown, N. J., writes, Jan. 24th, 1887.

"I first attempted to heat my house, which is located on the highest elevation in the vicinity, with Hot Air Furnace, but it was a failure. I then put in Bundy Radiators which brought us back to summer heat again."

Mr. JOHN P. DAUTH, Reading, Pa., writes, March 4th, 1886.

"I have used your Radiators in two public buildings and in G. A. Steven's Law Office, and they have given good satisfaction and work well."

Mr. G. C. BLACKMORE, Newark, N. J., writes, April 8th, 1888.

"I am using your Radiators as I think them the best. I have the least trouble with them."

Mr. GEO. STEELE, New York City, writes, Apr. 14th, 1888.

"I am pleased with the Bundy Radiator. I designate it as the Standard."

Mr. GEO. SOULE, Billings, Mont., writes, May 19th, 1888.

"I think you carry the best goods in your line, and the best are always the cheapest."

BOWDEN & BUECHLER, Washington, D. C., write, Apr. 28th, 1888.

"We have used your Bundy Radiators altogether, and find them to give the best of satisfaction in every particular. I think them the best and cheapest in the market."

Mr. O. BELLMAN, Hagerstown, Md., writes, May 26th, 1888.

"The quality of your goods is the best in the market, and your ability to furnish goods promptly exceeds that of any other."

Mr. W. G. PARKER, Girardville, Pa., writes, May 11th, 1888.

"I like your Radiators better than any I have yet seen."

Mr. ALFRED COPE, Hatboro, Pa., writes, May 23d, 1888.

"In regard to the Bundy Radiators that I have used in putting up steam apparatus, they have given entire satisfaction both Direct and Indirect. Would use them every time."

M. DRANE & SON, Corsicana, Texas, write, May 28th, 1888.

"We have used nothing but Bundy."

OFFICE
CHARLES H. SMITH,
ARCHITECT,
No. 106 BROADWAY,

Office Hours, 2 to 5 P. M.

NEW YORK, Nov. 24th - 1888

A. S. Griffing Iron Co
Jersey City N. J. -
Gentlemen.

In my experience as an Architect I have examined and used nearly every type of radiator that is made, but I am free to admit that the only perfect heating plants are those where your Bundy Radiators are used. They are certainly the easiest circulating radiators on the market as they work perfectly on vapor steam where other radiators seem to signally fail.

I also find your radiators occupy less floor space and so they save for my clients much valuable room. The lines and angles

OFFICE
CHARLES H. SMITH,
ARCHITECT,
No. 106 BROADWAY,

Office Hours, 2 to 5 P. M.

NEW YORK, Nov. 24th - 1888

used in the radiator are always in perfect harmony with the arrangement of the rooms and the great variety in which you supply them enables one to select those that are best adapted to the place in which they go. I heartily recommended your radiators and always use them for my clients where the matter is left to my judgment.

Yours Truly

Charles H. Smith

What the ARCHITECTS say about the BUNDY RADIATOR.

M. C. MEIGS, Quartermaster General (retired) Brevet Major General U. S. A. and Architect New Pension Building writes, April 2nd, 1886.

"I know of no better Steam Heater than the Bundy Radiators. I was so well pleased with its work in the National Museum that I specified it in the New Pension Building which contains 6,170,200 cubic feet of air space. A better test of the value and efficiency of a Radiator can scarcely be looked for."

Mr. E. R. DAVIS of McPHERSON, Kans., writes, July 23rd, 1887.

"In my opinion the Bundy is all that is claimed for it and in my experience with them they have given general satisfaction. I very heartily recommend them."

Mr. L. H. BROOME, Jersey City, N. J. writes, Jan. 21st, 1887.

"I have always been of the opinion that the Bundy were the Best Radiators in the market and use them whenever I can."

Mr. W. L. B. JENNY of JENNY & OTIS, Chicago, Ill., writes, Jan. 21st, 1887.

"I have always specified the Bundy Radiator knowing from experience that they are Reliable and Serviceable."

J. H. BRADY, Chief Engineer, Board of Education, Kansas City Mo., writes, July 22nd, 1887

"What Radiator goes into any of the schools will be the Bundy."

Mr. GEO. F. HAMMOND, Cleveland O., writes briefly July 27th, 1887.

"Personally I prefer your Radiator to any other."

Mr. ROBERT F. FLEMING, Washington, D. C. writes, July 23rd, 1887.

"I use your Bundy Radiator in preference to any other as I am convinced by Practical Test that it is the best." And again August 16th, 1887.

"It is useless for me to say more than what I have already said of the superior advantages the Bundy Radiator has over all others. In my judgment it Has No Equal."

F. E. EDBROOKE, & CO., Denver, Colo., writes, Sept. 29th, 1887.

"We have been using the Bundy for the past ten years and whenever we have the opportunity will favor you."

Mr. GEO. W. SHAFFER, Abilene, Kans., briefly writes Aug. 26th 1887.

"I believe Your Radiators are good," and later Sept. 26th, 1887.

"In my opinion your Radiators are first-class."

W. W. LARMOUR, Waco, Texas, writes, July 25th, 1887.

"As to the Bundy I have a favorable opinion."

The Tokyo Anglo-Japanese College
 has recently placed the Bundy Radiator
 in one of its buildings (Goucher Hall)
 and it is with pleasure that we
 speak of its great merit as a heater
 We believe it to be just the thing
 for heating large buildings in North-
 ern Japan. The simplicity of its struc-
 ture should recommend it to builders
 in this country.

[TRANSLATION.]

To
 The O.A. Griffing Iron Co.
 Jersey City, N.J. U.S.A.
 Dear Sirs;



The Tokyo Ei-Wa
 Gakko (Tokyo Anglo-Japanese College) had
 recently placed the Bundy Radiator
 in one of its buildings (Goucher Hall)
 and it is with pleasure that we
 speak of its great merit as a heater
 We believe it to be just the thing
 for heating large buildings in North-
 ern Japan. The simplicity of its struc-
 ture should recommend it to builders
 in this country.

Yours Very Truly
 J. Spencer
 Principal

What the CONSUMERS say about the BUNDY RADIATOR.

Mr. M. N. WILLIAMSON, Winston, N. C., writes, Oct. 25th, 1887.

"I am now using two of your Radiators in my house. Put them in last Winter and am very well satisfied with them."

Mr. W. W. CULBERTSON, Ashland, Ky., writes, Dec. 1st, 1887.

"The Bundy Hot Water Radiator is the best."

Mr. L. BAKER, St. Paul, Minn., writes, Dec. 2d, 1887.

"I know well the Bundy Radiator and am not unmindful of its merits."

CINCINNATI WIRE CO., Cincinnati, Ohio, write, Dec. 7th, 1887.

"Upon investigation we conclude that the Bundy Radiator is superior to any other."

Mr. J. W. MARDEN, Superintendent Fitchburg R. R. Co., Charleston, Mass., writes, Dec. 21st, 1887.

"I think your Radiators are the best made. They do the work nicely."

Mr. C. E. GATES, Meriden, Conn., writes, Nov. 29th, 1887.

"The Bundy Radiators work splendidly."

Mr. F. O. WATROUS, Hardware, Caro, Mich, writes, Dec. 27th, 1887.

"I bought, for myself, the Bundy Radiator of Wickes Bros., East Saginaw, and they heat fine; much better than my neighbors' which are Detroit's."

Mr. L. CRAWFORD, WELLESLEY COLLEGE, Wellesley, Mass., writes, Jan. 3d, 1888.

"I think your Radiator is a good one."

Mr. HENRY SCHAUMBURG, St. Louis, Mo., writes, Jan. 9th, 1888.

"I have used your Bundy Radiator for the past 10 years and they have proven satisfactory in every respect."

Mr. L. A. GALLUP, Grocer and Commission Merchant, Norwich, Conn., writes, Jan. 11th, 1888.

"I have in use your Radiators and they are giving satisfaction."

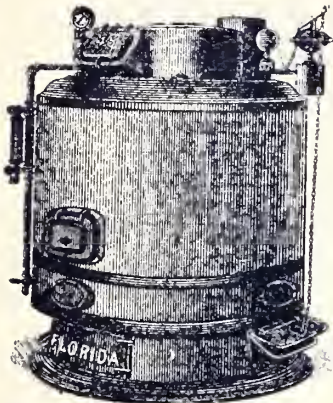
Mr. EUGENE A. POPE, Boston, Mass., writes, Jan. 24th, 1888.

"I am very familiar with your Radiator and think it one of the best made."

S. P. PIERCE, President.

W. A. BUTLER, Vice Presd.

W. K. PIERCE, Secy & Treas.
E. P. WAGGONER, Engineer.



FLORIDA STEAM HEATER



FLORIDA HOT WATER HEATER

PIERCE, BUTLER & PIERCE MANUFACTURING CO.

STEAM AND MECHANICAL
ENGINEERS AND CONTRACTORS

Public Buildings, Residences, Greenhouses &c.
Heated and Ventilated on the Most Approved Principles.

14, 16 & 18 CLINTON STREET,
Syracuse, N.Y.

April 24th, 1888

A. A. Griffing Iron Co.,
Jersey City, N. J.

Gentlemen, We take great pleasure in recommending the Bundy Radiator as we have placed a great number of them on some of the largest steam heating contracts in the U.S., and, also, sold them in large quantities for the past five years, and can state most emphatically there is no radiator manufactured superior to the "Bundy." It certainly has a universal reputation and is given the preference over most radiators. We can also particularly recommend your hot water radiator, it being a positive circulator, and is a pronounced success for both hot water, and hot water and steam combined. It also gives us great pleasure to state that there is comparatively no complaint concerning the construction of your radiator, or metal in same, as regards is durability, and we can most cordially recommend your goods to anyone who is in search of the most perfect and complete radiator manufactured.

Yours very truly,

Pierce, Butler, & Pierce Mfg Co.
W. K. Pierce Treas.

MANUFACTURERS AND
FURNISHERS OF
WROUGHT IRON PIPE.
BOILER TUBES.
SHEET LEAD.
LEAD PIPE.
ENGINES.
BOILERS,
RADIATORS.
RADIATOR VALVES,
CAST IRON FITTINGS,
MALLEABLE IRON FITTINGS,
ENGINE TRIMMINGS,
IRON VALVES,
IRON COCKS,
PLUMBERS' BRASS WORK,
BRASS GLOBE VALVES,
STEAM WHISTLES,
STEAM PUMPS,
INJECTORS, EJECTORS,
INSPIRATORS,
SAFETY VALVES,
AUTOMATIC LUBRICATORS,
POP SAFETY VALVES,
STEAM DAMPER REGULATORS,
FEED WATER HEATERS,
AUTOMATIC WATER FEEDERS
EXHAUST FANS,
STEAM FITTERS' TOOLS,
PIPE COILS,
STEAM GAUGES,
GLUE HEATERS,
PUMPS, SINKS,
WATER CLOSETS,
IRON BOILERS,
COPPER BOILERS,
PLUMBERS' EARTHENWARE,
BATH TUBS,
RUBBER HOSE,
BELTING,
PACKINGS,
FLUE CLEANERS,
GAS FIXTURES.

What the STEAM and HOT WATER FITTERS say about the BUNDY RADIATOR.

Mr. GEO. L. WINTER, Southbridge Mass., writes, Aug. 18th, 1887.

"We shall give the Bundy Radiators the preference as we consider it the best."

Mr. F. S. MARTIN, Minneapolis Minn., writes, Oct. 3rd, 1887.

"Your Hot Water Radiators I think the best in use."

SPANGENBERG, PENDLETON & CO., (Warren Machine Works) Warren, O., writes,
Sept. 5th, 1887.

"We will be glad to use your goods when opportunity offers."

Mr. C. C. FARDWELL, Baltimore, Md., writes, Oct. 10th 1887.

"I am favorably impressed with what I have heard of the Bundy."

Mr. J. A. VANCE, Salem, N. C. writes, Oct. 10th, 1887.

"I have seen the Bundy and like them very much."

FERGUSON BOILER CO., Albany, N. Y. writes, Nov. 14th, 1887.

"We have always used the Bundy."

VICTOR ATWOOD & SON, St. Albans, Vt., writes, Nov. 29th, 1887.

"What we can learn regarding your Radiators impress us very favorable."

COCHRAN & MIMS, New Orleans, La., writes, Dec. 19th 1887.

"The Radiators in Mr. McDonald's house and also those in the Academy are all working well."

EDWARD L. DENT & CO., Washington, D. C. writes,

"Your Bundy Hot Water Radiators are satisfactory."

Mr. T. R. CHASE, heating Engineer of Detroit, Mich., writes, Aug. 1887.

"I have given the comparative value of Radiators careful study during the last three years and have got through with no-base machines.

(Mr. Chase refers to Radiators having no base).

Wm. COGANS SONS, Alexandria, Pa., writes, Sept. 27th, 1887.

"We have heard of the Bundy and heard them highly recommended."

Mr. L. H. BOEHLER, Lancaster, Pa., writes, Oct. 15, 1887.

"I have bought over 1 000 loops of your Radiators and they give A No. 1. satisfaction."

Mr. H. W. TEW, Agt. Jamestown, N. Y. writes, Oct. 24th 1887.

"I think yours are the best goods."

HENRY C. LINDSAY,

Architect,

173 MAIN STREET.

Architect of The Ohio Soldiers' and Sailors'
Home, Sandusky, Ohio.Zanesville, Ohio, Aug 10th 1888.

A. A. Griffing, Iron Co.

Jersey City N. J.

Gentlemen.

I have specified the Bundy for several good jobs, and in every case they have given entire satisfaction to myself and Client, I can conscientiously recommend them for either Steam or Hot Water Heating. I consider it the best circulating radiator in existence, it will operate on lower pressure, will not need repairs, and if it should it is not necessary to send for a Steam Fitter to make them as any one who can use tongs can make all necessary changes if a loop should become broken by accident as ordinary use will not break them, also the Bundy occupies less floor space than any other radiator that I am acquainted with.

Your latest the "Elite" is ornamental enough for any Residence, and is in keeping with the prevailing styles.

Very truly Yours

Henry C. Lindsay.

What the ARCHITECTS say about the BUNDY RADIATOR.

Mr. A. DRUIDING, Chicago, Ill., writes, April 5th, 1886.

"I have used your Radiators. They have given general satisfaction."

Mr. GEO. E. DICKEY, Houston, Texas, writes, April 10th, 1886.

"I believe the Bundy Radiator to be the best in the market."

Mr. E. F. DURANG, Philadelphia, Pa., writes, April 14th, 1886.

"I use your Radiators and am in favor of them as the best the market affords."

Mr. ROBERT DIXON, Brooklyn, N. Y., writes, April 16th, 1886.

"I have used your Bundy Radiators and have found them satisfactory, and as represented."

Mr. CHAS. S. EDGERTON, Albany, N. Y., writes, April 3d, 1886.

"I have always specified your Radiators, as I think they are the best and give the best satisfaction."

Mr. R. B. EASTMAN, Brooklyn, N. Y., writes, April 6th, 1886.

"I am pleased to say I have used many of the Bundy Radiators and my experience has been such as to keep them in favor above all others."

Mr. W. F. ELLIS, JR., Colorado Springs, Colo., writes, April 14th, 1886.

"The Bundy Radiators were used in the new Iron Springs Hotel at Maniton, Colo., of which I was the architect, also in F. E. Robinson's residence in Colorado Springs, Colo. They have given perfect satisfaction, and I like them the best of any I have seen."

Mr. G. W. E. FIELD, Toronto, Ont., writes, April 28th, 1886.

"I will always take pleasure in specifying the Bundy Radiator."

Mr. W. E. FOLEY, Springfield, Mo., writes, April 12th, 1886.

"I have specified the Bundy Radiator on every occasion and they have given satisfaction in every instance."

Mr. JOHN LYMAN FAXON, Boston, Mass., writes, May 14th, 1886.

"I consider the Bundy a good Radiator."

Mr. JOHN A. FOX, Boston, Mass., writes, May 15th, 1886.

"I have used your Radiators with satisfactory results."

Mr. S. FLOYD HOARD, Ceredo, W. Va., writes, April 7th, 1886.

"I have long been familiar with the Bundy Radiators and should have no hesitation in recommending them to any party in want of such appliance."

Mr. GEO. MARTIN HUSS, N. Y. City, writes, April 5th, 1886.

"I am so convinced of the superiority of the Bundy Radiator that I recommend it wherever there is opportunity."



OFFICE OF THE
PHENIX BUILDING,
JNO. W. CARRINGTON JR.
AGENT

TELEPHONE 1877

138 JACKSON STREET.

Chicago,..... Nov. 26th. 188 8

A. A. Griffing Iron Co.

Jersey City.

N. J.

Gentlemen,

My experience with the several hundred Bundy Standard Radiators in the Phenix Building has been entirely satisfactory, and warrants me in commending them strongly to those who may be in need of efficient radiators.

Very truly yours,

Agt. Phenix Building.

NOTE.—The Phenix Building has every improvement and is one of the largest and best buildings in Chicago, and the Bundy Radiator was adopted after a most spirited contest, between all the Radiator manufacturers in the country, as it was proven by carefully conducted tests and experiments, to be from 10 to 45 per cent better than any other Radiator made, all things being considered.

A. A. GRIFFING IRON CO.

What the CONSUMERS say about the BUNDY RADIATOR.

Mr. J. O. SPENCER, of Tokyo, Japan, who is heating Goucher Hall with a car load of Bundys, writes, June 16th, 1888.

"We like your "Bundy" Radiator and believe it will be a success in Japan. I chose it because I knew it to be good."

Dr. A. M. BRUMBAUGH, Huntingdon, Pa., writes, Oct. 4th, 1887.

"I am satisfied that the Bundy are the best."

Mr. IRA STOCKWELL, of Lyons Lumber Co., Lyons, Iowa, writes, Sept. 20th, 1887.

"I am pleased with the Bundy Radiator."

Mr. H. SIMONEAN, Peoria, Ill., writes, Oct. 7th, 1887.

"I am very favorably impressed with the Bundy Radiators."

Mr. R. G. SMALL, Engineer on the C. R. R. of N. J., Bayonne, N. J., writes, Oct. 12th, 1887.

"Will speak a good word for the "Bundy" whenever opportunity occurs."

Mr. WM. GERHARDT, St. Louis, Mo., writes, Nov. 23rd, 1887.

"In regard to your Radiators, I am willing to acknowledge that they are good."

Mr. EDWARD SAVERY, West Chester, Pa., writes, Oct. 12th, 1887.

"Have used your Radiator in several places: They have given satisfaction."

Mr. ISAAC E. JAY, of Pasadena, Cal., writes, Oct. 21st, 1887.

"We honestly believe yours to be the best Radiator made, and you may be sure that if ever I can say a good word for you I shall do it."

Mr. WM. THOMPSON, Treasurer Southern Branch National Home for Disabled Volunteer Soldiers, writes, Oct. 20th, 1887.

"I think the Bundy Radiator excellent."

Mr. A. N. FULLER, Lawrence, Kans., writes, Nov. 10th, 1887.

"Am well pleased with the "Bundy." They must possess great merit."

Mr. CHAS. N. PEED, of Peed & Van Cleaf, Proprs. of the Mansion House, Brooklyn, N. Y., writes, Nov. 3rd, 1887.

"I am now using forty-three of your Steam Radiators and they give good satisfaction."

Mr. THEO. A. STEINER, Sunbury, Pa., writes, Nov. 17th, 1887.

"I received the Radiators and am very much pleased."

Mr. A. KILLIAN, Rockport, Ind., writes, Aug. 29th, 1887.

"I am satisfied that your work is as cheap, comfort and economy considered, as any in the country, and will recommend same at every opportunity I have."



THE Herendeen
MANUFACTURERS OF
Manufacturing Co.
STEAM HEATING APPARATUS
AGRICULTURAL IMPLEMENTS, ETC.
GENEVA, N.Y.

EDWARD W. HERENDEN, PRES.
WILLIAM L. HERENDEN, TREAS.
FRANCIS A. HERENDEN, SECY.
FREDERICK J. FURMAN, Supt.

July 14th., 1888.

A. A. Griffing Iron Co.,

#449 Communipaw Ave., Jersey City, N. J.

Gentlemen:-

In reply to yours of the 12th., asking for our experience in regard to the working of your Radiators, we would say that, as you well know, our main business is that of manufacturing the FURMAN BOILER; erecting jobs and putting in steam plants come secondary. It however, gives us pleasure to state that we have found your Radiators to give universal satisfaction; and we always take pleasure in recommending their use to our customers and friends. We wish especially to compliment you on the merit of the ELITE RADIATOR-- both for its heating qualities and for its fine appearance. We believe your sales on the ELITE will soon equal those of the reliable, old BUNDY.

Wishing you a successful season, we remain,

Yours very truly,

THE HERENDEN MFG CO.

PER W. L. Herenden

W. L.

What the STEAM and HOT WATER FITTERS say about the ELITE and TRIUMPH RADIATORS.



JAMES P. WOOD & CO., Philadelphia, Pa., write, April 12th, 1888.

“We have given the Triumph Radiator a trial and are pleased with the results obtained.”

Mr. GEO. W. HARROLD, Seneca Falls, N. Y., writes, May 3d, 1888.

“I like the Triumph and shall use them.”

Mr. JOHN L. FRISBIE, Covington, Ky., writes, May 28th, 1888.

“The Elite Radiator is a ‘Dandy’ for a fact.”

Mr. A. ELDRIDGE, Cambridge, N. Y., writes, Oct. 1st, 1888.

“I have set up the Elite Hot Water Radiators bought of you for Ira Hyanny, Fort Edward, N. Y., and find them to work first rate.”

NATIONAL HOT WATER HEATER CO., Boston, Mass., write, July 24th, 1888.

“We are very much pleased with the appearance of the Elite. They are certainly very handsome.”

DETROIT HEATING AND LIGHTING CO., Detroit, Mich., write, Oct. 10th, 1888.

“We like your Elite Radiator very much.”

Mr. J. H. OLDS, Chief Engineer, Perry County Railroad Co., Duncannon, Pa., writes, May 30th, 1888.

“The Elite is certainly a very handsome and ornamental Radiator.”

Mr. O. H. HARTLAND, of Andrew Langdon's Enterprise Colliery, Plainsville, Pa., writes, Oct. 6th, 1888.

“We have purchased your Triumph Radiators and have them set up and working, and like them very much.”

HIGGINS' BROS., Mt. Vernon, N. Y., write, Oct. 27th, 1888.

“The Richmond Stove Co. tell us your Elite are the best.”

GURNEY HOT WATER HEATER CO., Boston, Mass., write, Jan. 25th, 1888.

“We have set up the last Triumph Radiator you sent us in our office, and it is working very nicely. It certainly is doing good work.”

EDWARD L. DENT & CO., Washington, D. C., write, Mar. 8th, 1888.

“We are favorably impressed with the Triumph Radiator.”

E. Rutzler.

G. W. Blake.

RUTZLER & BLAKE,

Manufacturers of

HIGH & LOW PRESSURE STEAM HEATING APPARATUS,

For Warming and Ventilating Public and Private Buildings.

No. 178 CENTRE ST.

Telephone Call, Spring 430.

New York, *Jan. 27* 188*7*

*The A. A. Griffing & Co
Gentlemen*

*In our business of Steam Heating
for the last twelve years we have used about 600,000.
Square Ft. of Heating Surface of The Bundy Patent Radiator
and in every case they have proven satisfactory both to
ourselves and customers and we consider it one of
the best radiators in the market and we can con-
fidently recommend it to any one having use for same
for either Steam or Hot Water Heating*

*Yours Resp.
Rutzler & Blake.*

GILLIS & GEOGHEGAN,
STEAM HEATING APPARATUS,
116, 118, 120 and 122 Wooster Street,
NEW YORK.

May 6th 1886.

A. A. Griffing Iron Co.
Gentlemen,

We have used several hundred thousand Bundy tubes from the time of their first introduction on the market, and have always found that they gave entire satisfaction to our customers.

Besides the numerous Churches, Apartments, Private Houses etc. which we have supplied with Bundy Radiators, we have furnished them for many of the large Office Buildings in this city, of which the new Potter Building, Park Row, Beekman and Nassau Sts is the latest example.

Very truly Yours

Gillis & Geoghegan.

JOHNSON & MORRIS,

SUCCESSORS TO

BATES & JOHNSON.

IN NEW YORK AND WASHINGTON.

STEAM HEATING APPARATUS

No. 114 Leonard Street.

TELEPHONE, MURRAY 407.

New York, 27 Jan'y 1887

A. A. Griffing Iron Co
Jersey City, N.J.

Gentlemen

We have used the Bundy Radiator in its various forms almost exclusively in our business for the last twelve years. In that time we have placed at least half a million square feet of heating surface. We are satisfied that there is no better radiator made than this, and we recommend it to all who have use for heating surface either for Steam or Hot water -

Yours Respectfully
Johnson & Morris

